DEPARTMENT OF THE NAVY FISCAL YEAR (FY) 2006/FY 2007 BUDGET ESTIMATES



JUSTIFICATION OF ESTIMATES FEBRUARY 2005

PROCUREMENT OF AMMUNITION, NAVY AND MARINE CORPS BUDGET ACTIVITY 1

DEPARTMENT OF THE NAVY FY 2006 PROCUREMENT PROGRAM

DATE: FEBRUARY 2005

APPROPRIATION: 1508N PROCUREMENT OF AMMO, NAVY & MARINE CORPS

				MILLIONS C	F DOLLAR	RS		0
LINE	IDENT				2005	FY		S E
NO ITEM NOMENCLATURE	CODE			QUANTITY		QUANTITY	COST	
BUDGET ACTIVITY 01: PROC AMMO, NAVY								
NAVY AMMUNITION								
1 GENERAL PURPOSE BOMBS	A		163.3		180.8		135.4	U
2 JDAM	В	12422	264.9	6620	150.6	3400	82.6	U
3 AIRBORNE ROCKETS, ALL TYPES	A		26.6		34.0		35.2	U
4 MACHINE GUN AMMUNITION	A		17.8		32.5		23.7	U
5 PRACTICE BOMBS	A		46.6		53.4		56.6	U
6 CARTRIDGES & CART ACTUATED DEVICES	A		29.0		29.5		32.6	U
7 AIRCRAFT ESCAPE ROCKETS	A		10.4		10.7		10.9	U
8 AIR EXPENDABLE COUNTERMEASURES	A		52.4		48.5		70.2	U
9 JATOS	A		4.4		4.5		4.6	U
10 5 INCH/54 GUN AMMUNITION	A		12.7		19.7		25.9	U
11 EXTENDED RANGE GUIDED MUNITIONS (ERGM)	В		2.9		.5			U
12 76MM GUN AMMUNITION	A		1.2		1.1			U
13 INTERMEDIATE CALIBER GUN AMMUNITION	A						1.3	U
14 OTHER SHIP GUN AMMUNITION	A		19.2		19.1		40.1	U
15 SMALL ARMS & LANDING PARTY AMMO	A		17.8		23.1		35.6	U
16 PYROTECHNIC AND DEMOLITION	A		10.1		10.1		13.9	U
17 JUDGMENT FUND	A		20.2					U
18 AMMUNITION LESS THAN \$5 MILLION	A		2.1		3.1		3.2	U
TOTAL PROC AMMO, NAVY			701.5		621.2		571.5	
TOTAL PROCUREMENT OF AMMO, NAVY & MARINE CORPS			701.5		621.2		571.5	

EXHIBIT P-1

Fiscal Year 2006 Budget Estimates Budget Appendix Extract Language

PROCUREMENT OF AMMUNITION, NAVY and MARINE CORPS (PANMC)

For construction, procurement, production, and modification of ammunition, and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including ammunition facilities, authorized by [section 2854 of title 10, United States Code] *law*, and the land necessary therefor, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractorowned equipment layaway; and other expenses necessary for the foregoing purposes, [\$888,340,000] \$872,849,000, to remain available for obligation until September 30, [2007] 2008, of which \$19,562,000 shall be available for the Navy Reserve and Marine Corps Reserve. (Department of Defense Appropriations Act, 2005.)

	В	UDGET	ITEM JUST	IFICATION	SHEET			DATE:				
			P-40						Februa	ry 2005		
APPROPRIATION/BI	UDGET ACTIVI	TY				P-1 ITEM NO	MENCLATURI					
PROCUREMENT O	OF AMMUNITI	ION, NA	VY & MARIN	E CORPS		Gener	al Purpose l	Bombs (BLI 0	14500)			
Program Element for	Code B Items:					Other Related	Program Eler	nents				
B.A.1 - Navy Amm	unition											
	Prior	ID									То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY												
COST (In Millions)	\$802.9	А	\$163.3	\$180.8	\$135.4	\$148.7	\$138.5	\$115.7	\$119.0	\$122.4	Cont	Cont
Non Add DERF	\$316.0											

The BLU-111 (FY 04, FY 05, FY 06 and FY 07): The procurement is for expenditure replacement and to maintain war reserve. The BLU-111 A/B is a thermally protected 500 lb bomb filled with plastic bonded explosive (PBXN-109) to enhance its insensitivity.

The Laser Guided Bomb (LGB) guidance units and airfoils (FY 04, FY 05, FY 06 and FY 07): Procurement will be combined with warheads and fuzes from inventory. These procurements are to accommodate training and improve the war reserve posture. The LGB production rate in FY05 was reduced to minimum sustaining rate.

The BSU-33 Conical Fins, BSU-86A/B Fins, BSU-85 Fins and MK 83 Conical Fins (FY 04, FY 05, FY 06 and FY 07): Procurement is to replace expenditures and to maintain war reserve.

The <u>BLU-117/B</u> (<u>FY03</u>) and <u>BLU-110A/B</u> (<u>FY 05</u>, <u>FY 06</u> and <u>FY07</u>): The procurement is for expenditure replacement and to maintain war reserve. The BLU-117/B weapon is a 2000 lb bomb filled with insensitive explosive for shipboard use, which is an improved weapon over the older MK84. The last buy for the BLU-117/B is FY03. The BLU-110A/B is a 1,000 lb General Purpose Thermally Protected Bomb that is loaded with plastic bonded explosive (PBXN-109) to enhance its insensitive munitions performance.

MK 77 Bombs (FY04-FY07): The procurement is to sustain training requirements over the FYDP to avoid further impact of an already degraded War Reserve stockpile.

The Product Improvement Program (PIP): The PIP effort is being used to continue investigation regarding hardware coating materials necessary in meeting the Environment Protection Agency's more stringent requirements.

<u>PES/ILS:</u> Production engineering support (PES) and Integrated logistics support (ILS) are continuing efforts in support of the procurement of GP bombs and ancillary components. These efforts include providing recommendations and assisting in rapid resolution of maintenance procedure discrepancies to achieve optimum asset readiness; audits, pre-award surveys, post award surveys, post award conferences, First Article Testing or any other technical problems which may arise. These funds are provided in parallel with the FY 04, FY 05, FY 06 and FY07 buy of end items.

Dual Mode Bomb Kits (FY04): A Congressional add in FY04.

FUZES: The fuze line in FY05, FY06, and FY07 was transitioned from JDAM to procure the FMU-143, FMU-139, DSU-33, FMU-140, FMU-159, FMU-152 or the M904.

Bomb Subcomponents: The Bomb Subcomponents line is created in FY05 through FY07 to procure Arming Wires, adapters, lugs, nose plugs, etc.

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

DD Form 2454, JUN 86 ITEM NO. 1 PAGE NO. 1

CLASSIFICATION:

UNCLASSIFIED

	BUDGE	T ITEM JU	STIFICATION	SHEET FOR A	GGREGATED	ITEMS			DATE:			
				P-40a						Febr	ruary 2005	
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOME					
PROCUREMENT OF AMMUNITION	I, NAVY &	MARINE (CORPS					General Pur	pose Bombs	(BLI 014500	,	
Procurement Items	ID Code	Prior Years*	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
LGB AFG(MXU-667/B/MXU-650/B)	A										+	+
QTY	- ' '		8,782	5,536	3,228	3,150					+	+
Funding			\$29,006	\$19,194	\$11,471	\$11,474					Cont	Cont
LGB GUIDANCE UNIT(MAU-169/MAU-209	GL A											
QTY			8,782	5,536	3,228	3,150						
Funding *			\$43,567	\$41,051	\$24,535	\$24,541					Cont	Cont
BLU-111A/B PBX LOAD	А		, ,,,,	, ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , -					1	+
QTY			25,333	24,236	7,100	9,400						1
FUNDING			\$66,375	\$62,148	\$18,595	\$25,165					Cont	Cont
BLU-110A/B PBX LOAD (F288)	A										<u> </u>	
QTY			0	1,852	6,460	5,361					1	
FUNDING			\$0	\$10,034	\$35,700	\$30,287					Cont	Cont
MK 77 Firebomb	A										<u> </u>	4
QTY			456	500	500	500					Cont	Cont
FUNDING			\$1,802	\$1,849	\$1,895	\$1,942					 	-
BSU-86A/B	A		6 675	3,103	9,600	11,185			-		+	+
QTY FUNDING			6,675 \$7,576	\$3,526	\$11,081	\$13,139					Cont	Cont
BSU-33 Conical Fins	A		\$7,576	\$3,320	\$11,001	\$13,139					Cont	Cont
QTY	Α		13,200	26,000	16,000	16,000					+	+
FUNDING			\$1,209	\$2,170	\$1,361	\$1,385					Cont	Cont
MK 83 Conical Fins	A		Ψ1,200	Ψ2,170	ψ1,001	ψ1,000					COIN	Cont
QTY			1,000	5,000	5,500	6,000					†	+
FUNDING			\$185	\$892	\$997	\$1,106					Cont	Cont
MK 84 Conical Fins	А										1	1
QTY			0	0	0	8,000						T
FUNDING			\$0	\$0	\$0	\$3,231					Cont	Cont
BSU-85	Α											
QTY			1,250	5,080	3,395	3,399					↓	
FUNDING			\$1,295	\$5,297	\$3,603	\$3,671					Cont	Cont
FMU-139 FUZE	A										_	
QTY			0	9,617	7,857	11,715						
FUNDING			\$0	\$7,578	\$6,346	\$9,699					Cont	Cont
MK 76 (E973) QTY	A		0	0	0	0		+	+	1	+	+
FUNDING			\$0	\$0	\$0	\$0		+	+		Cont	Cont
BDU-48 (E962)	A		ΨΟ	ΨΟ	ΨΟ	ΨΟ						100111
QTY			0	0	0	0		1	1		_	+
FUNDING			\$0	\$0	\$0	\$0					Cont	Cont
MK 82 INERT (F237)	А					* -						1
QTY			0	0	0	0						
FUNDING			\$0	\$0	\$0	\$0	· · · · · · · · · · · · · · · · · · ·				Cont	Cont
MK 84 INERT	A											\bot
QTY			0	0	0	0		1	1		1	
FUNDING			\$0	\$0	\$0	\$0			 		Cont	Cont
Bomb Subcomponents			\$0	\$5,000	\$5,125	\$5,253			_	ļ	Cont	Cont
Fuzes	_			070	10:-	5.465		+	+	1	+	+
QTY			00	8700 \$17,400	4,915	5,188		+	+	1	Cont	Carat
FUNDING Dual Mode Bomb Kits	_		\$0 \$1,250	\$17,400 \$0	\$8,600	\$10,900 \$0		+	+	 	Cont Cont	Cont
IDUAI IVIQUE BOMD KITS	1	1	φ1,∠50	\$0	\$0	20		I	1	1	COLL	CONT
ALL OTHER SUPPORT			\$11,075	\$4,612	\$6,046	\$6,954					Cont	Cont

*The LGB KITS (MAU169/MAU209 GU) INCLUDE \$2,574 FOR GBU RETROFIT.

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

DD Form 2454, JUN 86 ITEM NO. 1 PAGE NO. 2

WEAPONS SYSTEM COST ANALYSIS Weapon System Date: **FEBRUARY 2005** P-5 APPROPRIATION/BUDGET ACTIVITY ID Code P-1 ITEM NOMENCLATURE/SUBHEAD PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS **B.A. 1 - Navy Ammunition GENERAL PURPOSE BOMBS (BLI 014500)** TOTAL COST IN THOUSANDS OF DOLLARS COST ELEMENT OF COST ID Prior FY 2004 FY 2005 FY 2006 FY 2007 CODE Code Years Total Cost Quantity Total Cost Quantity Total Cost Unit Cost Total Cost Quantity Unit Cost **Total Cost** Unit Cost **Unit Cost** Quantity GENERAL PURPOSE BOMBS SUBTOTAL 78,442 110,894 88,178 100,525 Q2191 BLU-111A/B PBX Load(F289) Α 25,333 2,620.11 66,375 24,236 2,564.28 62,148 7,100 2,619.03 18,595 9,400 2,677.11 25,165 Q2192 BLU-110A/B PBX LOAD (F288) Α 1,852 5,417.96 10,034 6,460 5,526.32 35,700 5,361 5,649.53 30,287 Q2194 MK 77 Bombs Α 456 3,951.56 1,802 500 3,698.00 1,849 500 3,790.00 500 3,884.00 1,942 1,895 3,103 Q2020 BSU-86A/B Α 7,668 988 7,576 1,136.23 3,526 9,600 1154.25 11,185 1,174.66 13,139 11,081 Q2010 BSU-33 Conical Fins(F782) Α 15,090 80.12 1,209 26,000 83.47 2,170 16,000 85.04 1,361 16,000 86.56 1,385 Q2030 1,080 5,000 5,500 6,000 184.39 1,106 MK 83 Conical Fins(EA96) Α 171.3 185 178.31 892 181.27 997 Q2031 BSU-85(1W73) 5,080 5,297 3,395 3,399 1,080.07 3,671 Α 1,274 1016.48 1,295 1,042.70 1061.27 3,603 Q2032 FMU-139 FUZE Α 7,857 827.89 9,699 0 9,617 788.00 7,578 807.7 6,346 11,715 Q2037 MK84 Conical Fins Α 0 8.000 403.87 3.231 Q2196 Fuzes Α 8,700 2,000.00 17,400 4,195 2,050.00 8,600 5,188 2,101.00 10,900 LASER GUIDED BOMB KITS SUBTOTAL 72,573 60.245 36,006 36,015 AIR FOILS (MXU-650/B) (F763) 3,150 Q2180 Α 8,782 various 29,006 5,536 3,467.06 (19, 194)3,228 3,553.73 (11,471)3,642.57 (11,474)Q2180 GUIDANCE UNIT MAU-169 (FW94)/MAU-209 Α 8,782 various 43,567 5,536 7,415.31 (41,051)3,228 7,600.69 (24,535) 3,150 7,790.71 (24,541)PROCUREMENT SPT, MODS, OTHER Q2800 ILS SUBTOTAL 400 400 600 600 ILS (GP Bombs) (200)(200)(300 (300)ILS (GBU) (200)(200) (300 (300)Q2830 PES/NAVY SUBTOTAL 5,153 3,662 4,836 5,604 PES (GP Bombs) (4142)(1,331)(1968)(2,459)PES (GBU & LGB) (1,011)(2,331)(2868) (3,145)5,522 OTHER SUBTOTAL 550 610 750 Q2850 5,079 100 100 100 Q2892 Non Standard Items 100 100 200 100 Q2893 Renovation Components 100 150 160 200 Q2894 Gaging 250 250 250 193 BOMB SUBCOMPONENTS Q2197 5,000 5,125 5,253 Q2830 DUAL MODE BOMB KITS 1,250 TOTAL 802.931 163,340 180.751 135,355 148.747

DD Form 2446, JUN 86 ITEM NO. 1 PAGE NO. 3 CLASSIFICATION: **UNCLASSIFIED**

B. APPROPRIATION/BUDGET ACTIVIT	Υ				T				FEBRUARY 2	
					C. P-1 ITEM N	OMENCLATURE			SUBHEAD	
	Y & MARINE C	ORPS				se Bombs(BLI 014500)			J1Q2	
3.A.1 - NAVY AMMUNITION										
					CONTRACT			DATE OF	SPECS	DATE
Cost Element/	QUANTITY	UNIT	LOCATION	RFP ISSUE	METHOD	CONTRACTOR	AWARD	FIRST	AVAILABLE	REVISIONS
FISCAL YEAR		COST	OF PCO	DATE	& TYPE	AND LOCATION	DATE	DELIVERY	NOW	AVAILABLE
		(000)								
GENERAL PURPOSE BOMBS										
22191 BLU-111A/B PBX Load										
FY03	22,745	2,548.83	Rock Island, IL	Jan-03	C/FP	MCALESTER, AAP	Apr-03	Sep-04	YES	
FY03 (IFF)	4,912	2,548.83	Rock Island, IL	Jan-03	C/FP	MCALESTER, AAP	Sep-03	Oct-04	YES	
FY04	25,333	2,620.10	Rock Island, IL	Jan-04	C/FP	MCALESTER, AAP	Apr-04	Sep-05	YES	
FY05	24,236	2,564.28	Rock Island, IL	Jan-04	C/FP	MCALESTER, AAP	Apr-05	Sep-06	YES	
FY06	7,100	2,619.03	Rock Island, IL	TBD	C/FP	MCALESTER, AAP	Apr-06	Sep-07	YES	
FY07	9,400	2,677.11	Rock Island, IL	TBD	C/FP	MCALESTER, AAP	Apr-07	Sep-08	YES	
Q2192 BLU-110A/B PBX LOAD										
FY03 (IFF)	4,937	5,600.00	Rock Island, IL	Jan-04	C/FP	MCALESTER, AAP	Sep-03	Oct-04	YES	
FY05	1,852	5,417.96	Rock Island, IL	Jan-04	C/FP	MCALESTER, AAP	Apr-05	Sep-06	YES	
FY06	6,460	5,526.32	Rock Island, IL	TBD	C/FP	MCALESTER, AAP	Apr-06	Sep-07	YES	
FY07	5,361	5,649.53	Rock Island, IL	TBD	C/FP	MCALESTER, AAP	Apr-07	Sep-08	YES	
Q2194 MK 77 BOMBS										
FY03	437	3,951.56	Rock Island, IL	Sep-03	C/FP	TRIUMPH, INC	Nov-04	Aug-05	YES	
FY04 FY05	456 500	3,951.56 3,698.00	Rock Island, IL Rock Island, IL	Sep-04 Sep-04	C/FP C/FP	TRIUMPH, INC UNKNOWN	Nov-04 Apr-05	Nov-05	YES	
FY06	500	3,790.00	Rock Island, IL	TBD	C/FP C/FP	UNKNOWN	Apr-05 Apr-06	Sep-06 Sep-07	YES YES	
FY07	500	3,884.00	Rock Island, IL	TBD	C/FP	UNKNOWN	Apr-07	Sep-08	YES	
Q2020 BSU-86A/B		.,	,							
FY04	7,668	988.00	Rock Island, IL	Jan-04	C/FP	CAPCO, CO	Jan-04	Feb-05	YES	
FY05	3,103	1,136.23	Rock Island, IL	Jan-04	C/FP	UNKNOWN	Jan-05	Feb-06	YES	
FY06	9,600	1,154.25	Rock Island, IL	TBD	C/FP	UNKNOWN	Jan-06	Feb-07	YES	
FY07	11,185	1,174.66	Rock Island, IL	TBD	C/FP	UNKNOWN	Jan-07	Feb-08	YES	
Q2010 BSU-33 Conical Fins	11,100	.,	rtook lolana, 12	.55	o,	0	5 4.1 57	. 00 00		
FY03	29,134	90.07	Rock Island, IL	Jan-03	C/FP	MTD, TN	Jan-03	Feb-04	YES	
FY04	15,090	80.12	Rock Island, IL	Jan-04	C/FP	MTD, TN	Jan-04	Feb-05	YES	
FY05	26,000	83.47	Rock Island, IL	Jan-04	C/FP	UNKNOWN	Jan-05	Feb-06	YES	
FY06	16,000	85.04	Rock Island, IL	TBD	C/FP	UNKNOWN	Jan-06	Feb-07	YES	
FY07	16,000	86.56	Rock Island, IL	TBD	C/FP	UNKNOWN	Jan-07	Feb-08	YES	
Q2179 FMU-143E/B(F849)	10,000	30.30	Nook isialiu, iL	יטטי	5/17	CIAICIAOAAIA	Jan-01	1 05-00	123	
FY03	1,426	2,422.86	Rock Island, IL	Jan-03	C/FP	DAYRON	Apr-03	Sep-04	YES	
Q2030 MK 83 Conical Fins	1,420	2,422.00	NOOK ISIAIIU, IL	Jaii-UJ	0/17	DATION	Αρι-03	06h-04	123	
FY03	5,372	194.40	Rock Island, IL	Jan-03	C/FP	MTD, TN	Jan-03	Feb-04	YES	
FY04	1,080	171.30	Rock Island, IL	Jan-03 Jan-04	C/FP	MTD, TN	Jan-03 Jan-04	Feb-05	YES	
FY05	5,000	171.30	Rock Island, IL	Jan-04 Jan-04	C/FP	UNKNOWN	Jan-04 Jan-05	Feb-05	YES	
FY06	5,500	181.27	Rock Island, IL	Jan-05	C/FP	UNKNOWN	Jan-06	Feb-07	YES	
FY07	6,000	184.39	Rock Island, IL	Jan-05	C/FP	UNKNOWN	Jan-07	Feb-08	YES	
22037 MK 84 Conical Fins	,		,							
FY07	8,000	403.87	Rock Island, IL	Jan-05	C/FP	UNKNOWN	Jan-07	Feb-08	YES	
Q2031 BSU-85										
FY03	2,552	849.92	Rock Island, IL	Jan-03	C/FP	UNKNOWN	Dec-03	Jun-06	YES	
FY04	1,274	1,016.48	Rock Island, IL	Jan-04	C/FP	UNKNOWN	Dec-04	Nov-05	YES	
FY05	5,080	1,042.70	Rock Island, IL	Jan-04	C/FP	UNKNOWN	Jan-05	Feb-06	YES	
FY06	3,395	1,061.27	Rock Island, IL	Jan-05	C/FP	UNKNOWN	Jan-06	Feb-07	YES	
FY07	3,399	1,080.07	Rock Island, IL	Jan-05	C/FP	UNKNOWN	Jan-07	Jan-08	YES	

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 1 PAGE 4 CLASSIFICATION

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTOR	RY AND PLAN	NING EXHI	BIT (P-5A)			Weapon System		A. DATE		
									FEBRUARY 2	2005
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NO	MENCLATURE		•	SUBHEAD	
PROCUREMENT OF AMMUNITION	I, NAVY & MA	ARINE CORF	rs		General	Purpose Bombs	(BLI 01	4500)	J1Q2	
B.A.1 - NAVY AMMUNITION						•	`	•		
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
GENERAL PURPOSE BOMBS		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								
(Continued)										
Q2032 FMU-139 Fuze										
FY03 (IFF)	16,773	746.65	NAVAIR	Dec-03	SS/FP	KDI, OH	Sep-03	Oct-04	YES	
FY05	9,617	788.00	NAVAIR	Dec-04	C/FP	UNKNOWN	Apr-05	Feb-06	YES	
FY06	7,857	807.70	NAVAIR	Dec-05	C/FP	UNKNOWN	Apr-06	Feb-07	YES	
FY07	11,715	827.89	NAVAIR	Dec-05	C/FP	UNKNOWN	Apr-07	Feb-08	YES	
Q2196 FUZES										
FY05	8,700	2,000.00	Rock Island, IL	Jan-04	C/FP	UNKNOWN	Jan-05	Feb-06	YES	
FY06	4,195	2,050.00	Rock Island, IL	Jan-05	C/FP	UNKNOWN	Jan-06	Feb-07	YES	
FY07	5,188	2,101.00	Rock Island, IL	Jan-05	C/FP	UNKNOWN	Jan-07	Feb-08	YES	
Q2033 MK 76										
FY03	10,650	30.19	Rock Island, IL	Jan-03	C/FP	DELFASCO	Feb-03	Feb-04	YES	
Q2034 BDU-48										
FY03	18,020	45.06	Rock Island, IL	Jan-03	C/FP	MCALESTER, AAP	Feb-03	Feb-04	YES	
Q2035 MK 82 INERT										
FY03	1,542	1,121.96	Rock Island, IL	Jan-03	C/FP	MCALESTER, AAP	Feb-03	Feb-04	YES	
Q2036 MK 84 INERT										
FY03	1,000	3,050.00	Rock Island, IL	Jan-04	C/FP	MCALESTER, AAP	Feb-03	Feb-04	YES	
D. REMARKS:										
D. KLIMAKKO.										

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 1 PAGE 5 CLASSIFICATION

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND P	L	5 (. 5A)				Weapon System		A. DATE	FEBRUAR	Y 2005
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOM	L ENCLATURE		!	SUBHEAD	
PROCUREMENT OF AMMUNITION, NAVY 8	MARINE CORP	PS .			General Pu	rpose Bombs(BL	I 014500)		J1Q2	
3.A.1 - NAVY AMMUNITION							,			
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
22180 LASER GUIDED BOMBS KITS		ì								
FY 04 Awards										
FY04 (MXU-650/B)	1,750	Various	Hill AFB	Dec-02	C/FP	LMCO/RAYCO	Mar-04	Jun-05	YES	
FY04 (MXU-650/B)	7,032	Various	Hill AFB	Dec-02	C/FP	RAYTHEON	Mar-04	Oct-05	YES	
FY04 (MAU-209 CCG) *	1,750	Various	Hill AFB	Dec-02	C/FP	LMCO/RAYCO	Mar-04	Jun-05	YES	
FY04 (MAU-169 CCG) *	7,032	Various	Hill AFB	Dec-02	C/FP	RAYTHEON	Mar-04	Oct-05	YES	
FY05 Awards										
FY05 (MAU-169/209 CCG)	5,536	7,415.31	Hill AFB	TBD	C/FP	UNKNOWN	Mar-05	Oct-05	YES	
FY05 (MXU 650/B)	5,536	3,467.06	Hill AFB	TBD	C/FP	UNKNOWN	Mar-05	Oct-05	YES	
Y06 Awards										
FY06 (MAU-169/209 CCG)	3,228	7,600.69	Hill AFB	TBD	C/FP	UNKNOWN	Mar-06	Oct-06	YES	
FY06 (MXU-650/B)	3,228	3,553.73	Hill AFB	TBD	C/FP	UNKNOWN	Mar-06	Oct-06	YES	
FY07 Awards										
FY07 (MAU-169/209 CCG)	3,150	7,790.71	Hill AFB	TBD	C/FP	UNKNOWN	Mar-07	Oct-07	YES	
FY07 (MXU-650/B)	3,150	3,642.67	Hill AFB	TBD	C/FP	UNKNOWN	Mar-07	Oct-07	YES	

*The LGB KITS (MAU169/MAU209 GU) INCLUDE \$2,574 FOR GBU RETROFIT.

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FY 2004/05 BUDGET PRODUCT	ION S	CHE	DULE, F	P-21														DATE										FE	BRUA	RY 2005
APPROPRIATION/BUDGET ACTI PROCUREMENT OF AMMUNITION		VY	& MARII	NE CO	RPS								'	Weapo	n Syste			GEN		OMEN L PU	RPOS	URE SE BC	омвя	S (BLI	0145	00)				
								Produc	tion Ra	te							ırement	Leadti												
			Manufac										ALT Pric		,	ALT Af			Initial			Reorde							Unit of	
Item			me and	Locati	on	MS		1-8-5		MAX			to Oct 1			Oct 1			Mfg PL	.T		√lfg PL	T		Total				Measur	e
LASER GUIDED BOMBS KITS	RAY	THE	EON			10	56	7200		12000/a	nn.					6			12			9			27				E	
LASER GUIDED BOMBS KITS	LOC	KHE	ED			UI	ık	4800		8400						6			12			9			27				F	
EAGEN GOIDED BOMBONITO	LOO					01	VII.		L YEAR 20									+	12				FIO. AL.	YEAR 2005			ı		_	
ITEM / MANUFACTURER	F	٥	Q	D	В	2003		FISCA	L YEAR 20	JU4			CAL	ENDAD	YEAR 200	14							FISCAL	CALEND		D 200E				
TEW/ WAND ACTORER	Y	V	T	E	A	0	N	D	.l	F	М	Α	M	.I	.I	A A	S	0	N	D	.1	F	М	A	M	.1	1.1	Α	S	В
		С	Υ	L	L	C T	0 V	E	A N	E B	A R	P R	A Y	U	Ü	U	E P	C T	0 V	E	A N	E B	A R	P R	A Y	Ŭ N	Ü	U G	E P	A L
LGB KITS(MXU-650/B)		Ν	4750		4750													1	1	-					-	4750	 			
LMCO	04	1	1750	0	1750						A															1750				0
RAYTHEON UNKNOWN	04 05	1	7032 5536	_	7032 5536						Α			-		-		1	-								1		-	7032 5536
UNKNOWN	06	1	3228	0	3228													-					Α				1			3228
UNKNOWN	07	1	3150	0	3150																									3150
LGB KITS(MAU-169/MAU 209 CCG)	01	N	3130	0	3130														-											3130
LMCO	04	14	1750	0	1750																					1750	1			0
RAYTHEON	04	1	7032	0	7032																					1100				7032
UNKNOWN	05	t	5536	0	5536																									5536
UNKNOWN	06	t	3228	0	3228																						t			3228
UNKNOWN	07		3150	0	3150																									3150
			_		_						FISCAL YI	EAR 200											FISCAL `	YEAR 2007						
ITEM / MANUFACTURER	F	S	Q	D	В		2005						CAL	ENDAR '	YEAR 200	06								CALEND	AR YEA	R 2007				
	Y	C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J L	A U G	S E	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A	J U	J U L	A U G	S E	B A L
LGB(MXU-650/B)	╂	N					•	Ü	.,		- 1	- "	·	.,		Ü		l	+ *	_	- '		- 1	- 1	<u> </u>	- "	Ë	Ü		
RAYTHEON	04	IN	7032	0	7,032	981	1215	1215	1215	1215	1191				1			1	1	-	1				-		l –			0
UNKNOWN	05	Н	5536	0	5536	461	461	461	461	461	461	461	461	461	461	461	465	1	1 -		1						1			0
UNKNOWN	06	H	3228	0	3228						A							269	269	269	269	269	269	269	269	269	269	269	269	0
UNKNOWN	07	П	3150	0	3150														1	1	1		A				1			3150
LGB KITS (MAU-169/MAU-269 CCG)	1	N																1	1								l l			
RAYTHEON	04		7032	0	7032	981	1215	1215	1215	1215	1191							1	1											0
UNKNOWN	05		5536	0	5536	461	461	461	461	461	461	461	461	461	461	461	465													0
UNKNOWN	06		3228	0	3228						Α							269	269	269	269	269	269	269	269	269	269	269	269	0
UNKNOWN	07		3150	0	3150																		Α							3150
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Remarks: Lockheed-Martin qualified in FY 2002; FY 03 quantity reflects Raytheon and Lockheed-Martin production.

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FY 2004/05 BUDGET PRODUC			DULE, F	P-21														DATE					FEBRUA	ARY 2	2005					
APPROPRIATION/BUDGET AC													V	Veapon	Syster	m		P-1 I	гем и	OMEN	CLATU	JRE	SENERAL	D. 15	200	_ D	2400	. / -		F00\
PROCUREMENT OF AMMUNIT	ION, N	IAVY	& MARII	NE COF	PS	1	D-	oduction	- D-4-							Dro	cureme	ont Lor	adtimo	•			GENERAL	_ PUI	RPOS	SE BO	OMR	i (BLI	014	500)
			Manufact	turer's			Pr	dauction	1 Rate				ALT Pr	ior	Δ	LT Aft		ent Lea	Initia			Ren	order						nit of	
Item			me and		1		MSR	1-8-5		MAX			to Oct			Oct 1			Mfg PL			Mfg			Total				asure	•
LASER GUIDED BOMBS KITS	RAY	THEC	N				1056	7200		12000	/ann.					6			12			9			27				Е	
LASER GUIDED BOMBS KITS	LOCI	/HEE	D				UNK	4800		8400/8	ann					6			12			9			27				E	
EASER GOIDED BOWIES RITS	LOCI	NIILL	Ī	ı				ISCAL YE	AD 2009	0400/8	ai ii i.				l	- 0			12			J	FISCAL YEAR	2000	21					
ITEM / MANUFACTURER	F	s	Q	D	В	3007		IOOAL IL	AIX 2000				CA	ALENDAR '	EAR 20	08								ALENDAF	R YEAR	2009				
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																													Ħ	
LGB KITS (650/B)		N																												
UNKNOWN LGB KITS (MAU-169 G UNIT)	07	N	3,150	0	3,150	262	262	262	262	262	262	262	262	262	262	262	268								1		-	₩	\vdash	0
UNKNOWN	07	IN	3,150	0	3,150	262	262	262	262	262	262	262	262	262	262	262	268											+		0
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ITEM / MANUFACTURER	F		Q	D	В	0000				FISC	AL YEA	R 2010	0.1	ALENDAR '	/FAD 00	40					I		FISCAL YEAR	2011 ALENDAF	VEAD	2044			_	
TIEW/WANDPACTURER	Y	S V C	T Y	E	A	2009 O	N	D	J	F	М	А	М	J	J	A U	s	0 C	N	D	J	F	М	Α	М	J	J	Α	S	B A
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Remarks:																														

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		CHED	ULE, P-21					•						.,				DATE									FEE	3RUAR	RY 2005	
APPROPRIATION/BUDGET AC													7	Veapo	n Syste	em			EM NOM				•				· ·			
PROCUREMENT OF AMMUNI	TION, NA	VY &	MARINE C	ORPS															al Purpo	se Bon	nbs (BL	J 01450	0)							
	-						F	roductio	n Rate				. T.D.:	-			rocurem	ent Lea											11.7. (
			Manufactu					4.0	_		A \/		LT Pric		F	ALT Aft			Initial	_		Reorder			T-4-1	I			Unit of	
BLU-111A/B	MCAL		lame and Lo	ocation			14400	1-8 28800	-5	57600	AX Nann	t	o Oct 1			Oct 1			Mfg PLT 17		I N	∕lfg PLT			Total 26				Measure	
BLU-117/B	MCAL					1	12000	4800		144						11			12						23				<u>E</u>	
BSU-86A/B	CAPC						7200	15600		360				+		4			12						16				Ē	
BSU-85	UNK	0, 00	<u>'</u>			+	7200	12000		180						4			12						16		 		Ē	
FMU-143E/B	DAYR	ON				+	12000	18000		300						6			18						24		 		Ē	
FZU-48			Systems; V	Viscons	sin	1	12000	24000		360						6			16						22				Ē	
	-		-,, .					FISCAL YE	AP 2004		-					Ť					l .		FISCAL	LYEAR 2005			ь—			1
ITEM / MANUFACTURER	F	s	Q	D	В	2003		TIOONE TE	1 2001					CALEND	DAR YEA	R 2004					1		1 100/1		ENDAR YEA	AR 2005				1
	Υ	V	T	Е	Α	0	N	D	J	F	М	Α	М	J		Α	S	0	N	D	J	F	М	A	м	J. J	J	Α	S	В
		С	Y	L	L	c	0	E	A	E B	A R	P	A Y	Ū	Ü	U	Ē	C	0 V	E	Ä	E	A	P	A	Ū	Ü	U	E	A L
BLU-111A/B	-	N				<u>'</u>	V	С	N	В	R	R	Y	N	L	G	Р		V	С	N	В	R	R	Y	N	L	G	Р	
MCALESTER	03	N	22,745	0	22745	1			1								1895	1895	1895	1895	1895	1895	1895	1895	1895	1895	1895	1900		0
MCALESTER (IFF)	03		4,912	0	4912	t			l									1637	1637	1638	1	1.223			1					0
MCALESTER	04		25,333	0	25333	1			l			Α																	2111	23,222
MCALESTER	05		24,236	0	24236																			Α			1			24,236
MCALESTER	06		7,100	0	7100																				oxdot			oxdot		7,100
MCALESTER	07	L.	9,400	0	9400	<u> </u>			<u> </u>													1			+-+		[9,400
BLU-110A/B MCALESTER	03	N	4,937	0	4937	1			1									2469	2468			 			+-+		 	\longrightarrow		_
MCALESTER MCALESTER	03		4,937 1,852	0	4937 1852	1		-	1									2469	2408			1		Α	+-+		 	\vdash		0 1,852
MCALESTER MCALESTER	06		6,460	0	6460	1			t									1			1	1		_^_	+		 	\vdash		6,460
MCALESTER	07		5,361	0	5361				1																					5,361
BSU-86A/B		N	1																											
CAPCO, CO	04		7,668	0	7668				Α													1917	1917	1917	1917					0
UNKNOWN	06		9,600	0	9600																						<u> </u>			9,600
UNKNOWN	07		11,185	0	11185																				\longrightarrow			└		11,185
BSU-85 UNKNOWN	05	N	5,080	0	5080				-												A				++		 	\longrightarrow		5,080
UNKNOWN	05		5,060	U	3000				1												^						 	\vdash		5,060
FUZES		N							-																+-+		1	\vdash		
UNKNOWN	05		8,700	0	8,700																Α									8,700
UNKNOWN	06		4,195	0	4,195				1																					4,195
UNKNOWN	07		5,188	0	5,188																									5,188
									Y	FI	SCAL YE	AR 2006									Y-		FISCA	LYEAR 2007						
ITEM / MANUFACTURER	F	S V	Q T	D	В		2005		-				1		DAR YEA	R 2006				1		1			ENDAR YEA		_	т т		В
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						Т	v	C	A N	В	R	R	Ŷ	N	L	G	P	T	v	C	N	В	R	R	Ŷ	N	L	G	. P	L
BLU-111A/B		N																												
MCALESTER	04		25,333	2111	23222	2111	2111	2111	2111	2111	2111	2111	2111	2111	2111	2112									$ldsymbol{\perp}$			┷┛		0
MCALESTER	05		24,236	0	24236	!			!								2042	2042	2042	2042	2042	2042	2042	2042	2042	2042	2042	1774	504	0
MCALESTER MCALESTER	06 07		7,100 9,400	0	7100 9400	1-		-	1			Α							-			 		Α	+-+			+-+	591	6,509 9,400
BLU-110A/B	07	N	9,400	U	9400	1			1						-			1			1	1		A	+-+		1	\vdash		9,400
MCALESTER	05	IN	1,852	0	1852	1			1								1852	1				1			+ +	\longrightarrow	i –	\vdash		0
MCALESTER	06		6,460	0	6460	1			1			Α						l				1			+				538	5,922
MCALESTER	07		5,361	0	5361																			Α						5,361
BSU-86A/B		N															-													
UNKNOWN	06		9,600	0	9600	!			Α													800	800	800	800	800	800	800	800	3,200
UNKNOWN	07		11,185	0	11,185	1			-			-						-	1		Α	1			+-+		1			11,185
BSU-85 UNKNOWN	05		5.080	0	5080	!			!	1500	1500	1500	580					 			1				+-+		1	\longrightarrow		0
FUZES	US	N	5,080	U	5080	1		-	1	1500	1500	1500	280						1			1			+-+		 	\vdash		U
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UNKNOWN					4195	1			Α					. 20	. 20	, 20						349	349	349	349	349	349	349	349	1,403
UNKNOWN UNKNOWN	06		4,195	0	4195											- 1										349	349			

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST CLASSIFICATION:

			DULE, P-2	1														DATE									FE	BRUAF	RY 2005	
PPROPRIATION/BUDGET AC	CTIVITY	,											1	Weap	on Sys	stem		P-1 I	TEM	NOME	ENCL	ATUR	E							
ROCUREMENT OF AMMUNI	TION, N	VVA	& MARINE	CORP	s																			Gener	al Pu	pose E	ombs	s (BLI	014500)	
			,				F	roducti	ion Rat	te							Procurer	nent Lea												
			Manufactu										LT Pri			ALT A			Initial			Reorder							Unit of	
Item			Name and L	ocation			1SR	1-8			AX	to	Oct '	1		Oct	1		Mfg PL	Γ	N	Ifg PLT			Total			N N	Measure	
IK83 CONICAL FINS			MTD, TN				400	180			0/ann.					6			18						24				E	
SU-85			UNK				200	120			000					6			14						20				E	
MU-139 Fuze			KDI, OH			24	000	600	000	960	000					6			10						16				Е	
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ITEM / MANUFACTURER	F	s	Q	D	В	2003		FISCA	LILAN	2004				CALEN	NDAR VE	EAR 2004	1	1			I		FIGU			YEAR 2005				ł
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						Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	
MU-139 Fuze		N	40.770		40770	-			ļ									0055	2055	0055	0055	0050								
KDI,OH (IFF) UNKNOWN	03 05		16,773 9,617	0	16773 9617	1		-	1	-				\vdash		1		3355	3355	3355	3355	3353		A	+		1	+		9,617
UNKNOWN	06		7,857	0	7857	+			1	-								 	1	-	1	-		^		-	1	1		9,01
UNKNOWN	07		11,715	0	11715	1																					1			
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ITEM / MANUFACTURER	_									- 1	FISCAL Y	EAR 200	06										FISC	AL YEAR 20						1
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MU-139 Fuze		N																												
UNKNOWN	05		9,617	0	9617	1				801	801	801	801	801	801	801	801	801	801	801	806						.			0
UNKNOWN	06 07		7857 11,715	0	7857	-						Α						1				654	654	654	654	654	654	654	654	2,625
UNKNOWN	07		11,715	U	11,715													1						Α			-			11,71
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FY 2004/05 BUDGET PRODU			DULE,	P-21														DATE					FEBR	UARY	2005					
APPROPRIATION/BUDGET A													V	Veapon	Syster	n		P-1 I	TEM NO	OMEN	CLATU	JRE								
PROCUREMENT OF AMMUN	ITION, I	NAVY	& MAR	INE CO	RPS							Ь—				_		<u> </u>	10				GENER	AL P	URPOS	E BO	MBS	(BLI 0	11450)0)
							-	Production	n Rate			—						nt Lea	dtimes			_								
Item			Manufact me and		n	N	//SR	1-8	3-5	M	ΑX		ALT Pri to Oct		A	LT Afte	er		Initial Mfg PL	Т		Reord Mfg P			Total				nit of asure	•
BLU-111A/B	MCAI	LESTE	R				14400	28800		57600)/ann.					9			17						26				Е	
BLU-117/B	MCA	LEST	ER				12000	4800		144	-00					11			12						23				Е	
BSU-86A/B	CAP	CO,C	C				7200	15600		360	00					4			12						16				Е	
MU-139 Fuze	KDI,	ОН					24000	60000		960	00	ĺ				6			18						24				Е	
MU-143E/B	DAY	RON					12000	18000		300						6			18						24				Е	
ZU-48	Alliar	nt Tec	h. Systei	ms; Wis	consin		12000	24000		360	00					6			16						22				Е	
								FISCAL Y	EAR 2008														FISCAL YE	AR 2009)					
ITEM / MANUFACTURER	F	s	Q	D	В	2007							CA	LENDAR Y	EAR 20	08								CALEND	AR YEAR 2	2009				i
	Υ	V	T Y	E L	A L	O C T	N O	D E	J A	F E B	M A	A P	M A	J	J	A U	S E	O C T	N O	D E	J A	F E	M A	A P	M A	J	J U	A U	S E P	B A L
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LU-111A/B(F289) UNKNOWN	06	N	7,100	591	6,509	591	591	591	591	591	591	591	591	591	591	599	-	-			-			├─		1		+	+	0
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UNKNOWN	07	1	5,361	0	5,361												447	447	447	447	447	447	447	447	447	447	447	444		0
SU-86A/B		N																												
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UNKNOWN MU-139 FUZE	07	N	11,185	0	11,185					932	932	932	932	932	932	932	932	932	932	932	933			├			₽	₩	\sqcup	0
UNKNOWN	06	N	9,617	6992	2,625	654	654	654	663			1												<u> </u>			╂	+	+	0
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST CLASSIFICATION:

311/244 ITEM NO. 1 PAGE 11 UNCLASSIFIED

	BUDO	SET IT	EM JUSTI	FICATION	SHEET			DATE:				
			P-40)					F	ebruary 20	05	
APPROPRIATION/BUDGE	ET ACTIVIT	ΓΥ	BA-1				P-1 ITEM NO	OMENCLATU	RE	BLI 014800		
PROCUREMENT OF	AMMUN	ITION,	NAVY & N	MARINE CO	ORPS			JOINT D	IRECT AT	TACK MUN	ITION (JDA	M) J1JD
Program Element for Code	B Items:						Other Relate	d Program El	ements			
								NONE				
	Prior	ID									То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY	31,364	Α	12,422	6,620	3,400	3,400	1,500	1,500	1,500	1,500	0	63,206
COST (\$M)	742.6		264.9	150.6	82.6	85.1	41.3	42.7	44.5	46.1	0.0	1500.3
Initial Spares (\$M)												
Total (\$M)	742.6		264.9	150.6	82.6	85.1	41.3	42.7	44.5	46.1	0.0	1500.3
Unit Cost (\$M)	0.024		0.021	0.023	0.024	0.025	0.028	0.028	0.030	0.031	0.000	0.024
DERF Quantity - Non Add	7,890		•									7,890
DERF Dollars - Non Add	161.1		•									161.1

MISSION AND DESCRIPTION Operation Desert Storm confirmed the need for a more accurate weapon delivery capability in adverse weather conditions and from medium/high altitudes. Failure to satisfy this requirement will allow the enemy to continue to take advantage of the sanctuary of weather and/or prevent US air power from prosecuting a conflict on its terms. JDAM is an Air Force and Navy munitions program to correct these shortfalls, with the Air Force as the executive service. JDAM upgrades the existing inventory of general purpose bombs (MK 84, BLU-109/B, MK83, and MK82) by integrating them with a guidance kit consisting of a global positioning system aided inertial navigation system (GPS/INS). JDAM will provide an accurate (13 meters) adverse weather capability. JDAM is integrated with the B-52, B-2, B-1B, F-16, F/A-18C/D/E/F and F-14 aircraft, with follow-on integration on the F-15E, F-22, A-10 ,and AV-8B. The Navy is responsible for fielding a JDAM All-Up-Round (AUR) system; procuring components as required to satisfy that system (tail kits, fuzes and arming systems, warheads, and support equipment). FY03 and FY04 quantities were increased to meet wartime surge. FY05 through FY11 reflect quantities necessary to meet Non Nuclear Ordnance Requirements (NNOR). Selective Availability Anti-Spoofing Module (SAASM) will be incorporated into the FY 2005 production quantities, to be delivered in FY 2006. Beginning in FY05, Fuze money is moved to the Navy's GP Bombs PE. The JDAM FY06 and FY07 procurements support a contractually agreed minimum sustaining rate. The JDAM contractual agreement ends in FY07.

The total production buy for JDAM is 211,515 units (148,309 for USAF and 63,206 for Navy, not including any DERF). There is no requirement for initial spares because of the 20 year warranty.

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 2

PAGE NO. 1

CLASSIFICATION: UNCLASSIFIED WEAPONS SYSTEM COST ANALYSIS Weapon System DATE: P-5 February 2005 APPROPRIATION/BUDGET ACTIVITY ID Code P-1 ITEM NOMENCLATURE/SUBHEAD PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS JOINT DIRECT ATTACK MUNITION (JDAM) J1JD BLI 014800 B.A.1 - Navy Ammunition TOTAL COST IN THOUSANDS OF DOLLARS ID FY 2004 COST ELEMENT OF COST Prior FY 2005 FY 2006 FY 2007 CODE Code Years **Total Cost** Quantity Unit Cost Total Cost Quantity Unit Cost **Total Cost** Quantity Unit Cost Total Cost Quantity Unit Cost Total Cost AIR VEHICLE JD100 628.883 12.422 19,621 243.727 6.620 21.145 139.978 3.400 21.770 74,017 3,400 22.644 76.991 Α JD200 FUZES * 26,679 10,000 Α JD300 WARHEAD 28.363 JD100 ENGINEERING CHANGE ORDERS (ECO) 2,832 3,615 2,747 2,849 TOTAL RECURRING FLYAWAY 12,422 20,654 256,559 143,593 22,578 76,764 3,400 79,840 683,925 6,620 21,691 3,400 23,482 JD100 SCHEDULE ACCELERATION 1,457 JD830 PRODUCTION TECH SUPPORT 33,488 4,410 4,351 3,799 3,132 JD100 CONTRACTOR INCENTIVE 8,167 2,378 1,400 740 770 PRODUCTION TEST JD840 2,789 358 256 262 267 AIRBORNE TEST EQUIPMENT JD100 568 758 295 300 305 DATA JD850 CABLES JD700 720 TOTAL NON-RECURRING 47,191 7,904 6,302 5,101 4,474 731,116 264,463 81,865 84,314 TOTAL WEAPON FLYAWAY 12,422 21,290 6,620 22,643 149,895 3,400 24,078 3,400 24,798 JD940 LOAD/BUILDUP TRAINERS 857 JD960 TEST EQUIPMENT 4,350 JD970 ILS 353 5,300 557 568 580 JD990 TRAINING 794 97 99 102 JD920 DATA (TECHNICAL) 80 57 183 56 58 740 TOTAL FLEET SUPPORT 11.484 433 710 724 TOTAL WEAPON SYSTEM 742,600 12,422 21,325 264,896 6,620 22,750 150,605 3,400 24,291 82,589 3,400 25,016 85,054 TOTAL PROGRAM COST 742,600 12,422 21,325 22,750 24,136 82,589 264,896 6,620 150,605 3,400 3,400 24,799 85,054 DERF (NON-ADD) AIR VEHICLE JD100 157,866 JD200 FUZES 3,055 * FY2004 includes \$1.5M BTR to GP Bombs. FY2005 - FY2011 Fuze money is in GP Bombs PE. JD100 CONTRACTOR INCENTIVE 166 JD830 PRODUCTION TECH SUPPORT TOTAL DERF 161,087

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCURE	MENT HISTO	ORY AND	PLANNING EXHIBI	T (P-5A)		Weapon System		A. DATE Februa	ry 2005	
B. APPROPRIATION/BUDG PROCUREMENT OF		ON, NAVY	BA-1 ' & MARINE CORPS		C. P-1 ITEM NOI JOINT DIRE BLI 014800	MENCLATURE ECT ATTACK MUNITION			SUBHEAD	JD
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE
FY03 Lot 7 JDAM	12,280	19,738	USAF AAC/YU EGLIN AFB, FL		FFP	Boeing St. Louis, MO	Mar 03	Mar 04	N/A ⁽¹⁾	N/A
FY04 Lot 8 JDAM	12,422	19,621	USAF AAC/YU EGLIN AFB, FL		FFP	Boeing St. Louis, MO	Feb 04	Mar 05	N/A ⁽¹⁾	N/A
FY05 Lot 9 JDAM	6,620	21,145	USAF AAC/YU EGLIN AFB, FL		FFP	Boeing St. Louis, MO	Feb 05	Mar 06	N/A ⁽¹⁾	N/A
FY06 Lot 10 JDAM	3,400	21,770	USAF AAC/YU EGLIN AFB, FL		FFP	Boeing St. Louis, MO	Feb 06	Mar 07	N/A ⁽¹⁾	N/A
FY07 Lot 11 JDAM	3,400	22,644	USAF AAC/YU EGLIN AFB, FL		FFP	Boeing St. Louis, MO	Feb 07	Mar 08	N/A ⁽¹⁾	N/A
						33,				

D.	REM	1ARKS
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DD Form 2446-1, JUL 87

P-1 SHOPPING LIST

Classification:

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⁽¹⁾ SPECIFICATIONS HAVE BEEN WAIVED DUE TO JDAM'S STATUS AS AN ACQUISITION REFORM PILOT PROGRAM.

FY 2006 BUDGET PRODUCT	ON SCH	IEDUL	E, P-2	1		-											DATE			Febr	ruary	/ 200	5						
APPROPRIATION/BUDGET APPROCUREMENT OF AMMUN			. MARI	NE CC)RPS/R	Δ_1						We	eapon	Syste	em		P-1 IT	ГЕМ №					/lunitio	n (ID	ΔM) B		I JD 1800		
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DD Form 2445, JUL 87

Previous editions are obsolete

P-1 SHOPPING LIST

Classification:

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Remarks:

MSR represents JOINT quantities (USN and USAF).
Current USAF procurements reflect PB05; AF POM06 procurements have not been released.

P-1 SHOPPING LIST Classification: DD Form 2445, JUL 87 Previous editions are obsolete

ITEM NO. 2 PAGE NO. 5

	BUDO	SET IT	EM JUSTI	FICATION	SHEET			DATE:				
			P-40						Fe	ebruary 20	05	
APPROPRIATION/B	SUDGET ACTIVIT	Υ					P-1 ITEM NO	DMENCLATU	RE	(BLI 015100)	
PROCUREMENT	COF AMMUNI	TION,	NAVY & M	IARINE CO	RPS BA1			AIRBORNE	ROCKET	S, ALL TYF	PES (J1Q5))
Program Element for	Code B Items:						Other Relate	d Program El	ements			
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY												
COST (\$M)	\$100.8	А	\$26.6	\$34.0	\$35.2	\$15.6	\$37.2	\$37.4	\$38.2	\$39.0	Cont.	Cont.

Procurements are to keep pace with the training usage of MK-66 rocket motors and maintain an adequate inventory of a variety of warheads for the 2.75" and 5.00" Rockets.

Product improvements address deficiencies in the safety, reliability and producibility of Airborne Rockets. Specific projects include insensitive munitions improvements to the rocket motors, safety improvements to Warheads, and reliability improvements to the 2.75 inch launchers.

Upgrade MK66 from J147 to HA03. This is to prevent stabilizing rod ejection during the launch cycle and inspect for propellant grain defects.

Low Rate Initial Production (LRIP) procurement of Advanced Precision Kill Weapon System guidance sections begins in FY06.

*Prior years figures reflect FY 01 to FY03. FY 00 and prior are in the 2.75" Rockets Line.

DD Form 2454, JUN 86 ITEM NO. 3 PAGE NO. 1 CLASSIFICATION:

E	BUDG	ET ITEM J	USTIFICAT	ION SHEET P-40a	FOR AGGF	REGATED ITI	EMS	[DATE:	Februa	ry 2005	
APPROPRIATION/BUD	GET A	CTIVITY					P-1	1 ITEM NOM	ENCLATURE			
PROCUREMENT O	F AMI	MUNITION	I, NAVY & N	MARINE CO	RPS BA1			AIRB	ORNE ROC	KETS, ALL	TYPES (J	1Q5)
Procurement Items	ID Code	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007					To Complete	Total
MK 66 Rkt Motor (HA07)	Α											
Quantity		112,690	19,956	18,448	1,321	0						
Funding		\$47,788	\$9,050	\$8,500	\$617	\$0					Continuing	Continuing
MK 71 Rkt Motor (H547)	Α											
Quantity		2,460	2,000	3,267	3,461	0						
Funding		\$13,300	\$8,000	\$13,279	\$14,320	\$0					Continuing	Continuing
M278 Warhead	Α											
Quantity		1,520	0	0	0	0						
Funding		\$2,385	\$0	\$0	\$0	\$0					Continuing	Continuing
M229 HE Wrhd (MK 146)	A											
Quantity		0	0	2,000	2,171	0						
Funding		\$0	\$0	\$1,665	\$1,839	\$0					Continuing	Continuing
M255A1 Flechette Wrho	A b											
Quantity		0	0	5,284	2,001	0						
Funding		\$0	\$0	\$3,699	\$1,426	\$0					Continuing	Continuing
WTU-1/B Inert Wrhd (H663	3) A											
Quantity		33,685	13,958	14,003	13,182	12,988						
Funding		\$1,277	\$518	\$528	\$506	\$549					Continuing	Continuing
LAU-61 Launcher	Α											
Quantity		0	0	0	110	0						
Funding		\$0	\$0	\$0	\$801	\$0					Continuing	Continuing
MK 34 Warhead	A											
Quantity		6,962	3,698	0	3,200	0						
Funding		\$6,329	\$2,975	\$0	\$2,663	\$0					Continuing	Continuing

DD Form 2454, JUN 86 ITEM NO. 3 PAGE NO. 2 CLASSIFICATION:

E	BUDG	ET ITEM J	JUSTIFICAT	ION SHEET P-40a	FOR AGGF	REGATED IT	EMS	DA	ATE:	Februa	ry 2005	
APPROPRIATION/BUDG	GET A	CTIVITY					P-1	ITEM NOME	NCLATURE			
PROCUREMENT O	F AM	MUNITION	I, NAVY & N	ARINE CO	RPS BA1			AIRBO	RNE ROC	KETS, ALI	TYPES (J	IQ5)
Procurement Items	ID Code	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007					To Complete	Total
Smokey SAM	Α											
Quantity	1	9,108	3,500	3,516	3,200	0						
Funding		\$1,192	\$433	\$442	\$409	\$0					Continuing	Continuing
Advanced Precision	Α											
Kill Weapon System												
Quantity		0	0	0	325	600						
Funding		\$0	\$0	\$0	\$8,079	\$12,000					Continuing	Continuing
Upgrade J147 to HA03	Α	\$6,464	\$1,693	\$2,193	\$1,029	\$0					Continuing	Continuing
Misc Components		\$0	\$350	\$578	\$545	\$0					Continuing	Continuing
Non-Standard Items			\$0	\$40	\$40	\$40						
Renovation Components			\$100	\$88	\$60	\$60						
Containers		\$2,050	\$615	\$517	\$37	\$0					Continuing	Continuing
Support Costs		\$8,997	\$2,884	\$2,490	\$2,788	\$2,926					Continuing	Continuing
MK66 Rkt Mtr												
(IFF Supplemental)												
Quantity		24440										
Funding		\$10,262										
Containers												
(IFF Supplemental)												
Quantity		6709										
Funding		\$738										
Total P-1 Funding		\$100,782	\$26,618	\$34,019	\$35,159	\$15,575					Continuing	Continuing

DD Form 2454, JUN 86 ITEM NO. 3 PAGE NO. 3 CLASSIFICATION:

		EM COST ANALYSI	S			Weapon System	1							DATE:	_
	TION/BUDGET ACTIVITY	P-5				ID Code	P-1 ITEM NOME	NCLATURE/SU	BHEAD					February 200	5
	NT OF AMMUNITION, NAVY & MARINE CORPS BA	1													
B.A.1 - Navy	Ammunition	1	TOTAL COST IN	THOUGANDS	DE DOLLARS	Α	AIRBORNE ROO	CKETS, ALL TY	PES (J1Q5)						(BLI 015100)
			TOTAL COST IN	THOUSANDS	OF DOLLARS										
COST	ELEMENT OF COST	ID	Prior		FY2004			FY 2005			FY 2006			FY 2007	
CODE		Code	Years												
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
Q5040	MK 66 Rocket Motor (HA07)	A	47,788	19,956	453.50	9,050	18448	460.75	8,500	1,321	469.05	617	0	0.00	
Q5041	MK 71 Rocket Motor (H547)	А	13,300	2,000	4,000.00	8,000	3,267	4,064.00	13,279	3,461	4,137.15	14,320	0	0.00	
Q5070	M278 IR Illum. Warhead (HA06)	А	2,385	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	
Q5080	M229 HE Warhead (MK 146)	Α	0	0	0.00	0	2,000	832.32	1,665	2,171	847.30	1,839	0	0.00	
Q5090	M255A1 Flechette Warhead	Α	0	0	0.00	0	5,284	700.00	3,699	2,001	712.60	1,426	0	0.00	
Q5030	WTU-1/B Inert Warhead (H663)	Α	1,277	13,958	37.11	518	14003	37.71	528	13,182	38.38	506	12,988	42.27	5-
Q5895	LAU-61 Launcher	Α	0	0	0.00	0	0	0.00	0	110	7,282.80	801	0	0.00	
Q5100	MK34 Smoke Warhead	A	6,329	3,698	804.49	2,975	0	817.36	0	3,200	832.07	2,663	0	0.00	
Q5200	Smokey SAM	Α	1,192	3,500	123.71	433	3516	125.69	442	3,200	127.96	409	0	0.00	
QTBD	Adv. Precision Kill Weapon Sys	A	0	0	0.00	0	0	0.00	0	325	24,858.00	8,079	600	20,000.00	12,0
Q5050	Upgrade J147 to HA03		6,464			1,693			2,193			1,029			
Q5051	Misc. Components		0			350			578			545			
Q5892	Non-Standard Items		80			0			40			40			•
Q5893	Renovation Components		817			100			88			60			
Q5052	Containers		2,050			615			517			37			
Q5800	Integrated Logistics Support		978			224			340			340			3-
Q5830	Production Engineering Support(PES)		2,796			1,282			1,082			1,147			1,33
Q5850	Product Improvement Program		4,326			1,378			1,068			1,301			120
	IFF SUPLEMENTAL														
Q5040	MK 66 Rocket Motor (HA07)	А	10,262												
Q5052	Containers		738												
	TOTAL		100,782			26,618			34,019			35,159			15,5

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 3

BUDGET PROCURE	MENT HIST	ORY AND	PLANNING EXHI	BIT (P-5A)		Weapon System		A. DATE		
				, ,				Februa	ry 2005	
B. APPROPRIATION/BUDGE	T ACTIVITY				C. P-1 ITEM NON	MENCLATURE			SUBHEAD	
PROCUREMENT OF	AMMUNITI	ON, NAVY	& MARINE CORF	PS BA1						
		_				ROCKETS, ALL TYPES	(BLI 0151		J1Q5	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE
Q5040 MK 66 MOTORS (H	A07)									
FY 04	19956	453.50	HUNTSVILLE	N/A	FFP	GENERAL DYNAMICS	May-04	Sep-06	YES	
FY 05	18448	460.75	HUNTSVILLE	N/A	FFP	GENERAL DYNAMICS	May-05	Nov-07	YES	
Q5041 MK 71 MOTORS (H	 A07)									
FY 04	2000	4,000.00	NAVAIR	N/A	PX	NSWC, IH	Apr-04	Apr-05	YES	
FY 05	3267	4,064.00	NAVAIR	N/A	PX	NSWC, IH	Apr-05	Apr-06	YES	
FY 06	3461	4,137.15	TBD	N/A	N/A	TBD	Apr-06	Apr-07	YES	
MK34 Smoke Warhead										
FY 04	3698	804.49	NAVAIR	N/A	PX	NSWC, IH	Apr-04	Apr-05	YES	
FY 05	0	817.36	NAVAIR	N/A	PX	NSWC, IH	Apr-05	Apr-06	YES	
FY 06	3200	832.07	NAVAIR	N/A	N/A	TBD	Apr-06	Apr-07	YES	
Adv. Precision Kill Weapon	l Sys									
FY 06	325	24,858.00	HUNTSVILLE	N/A	FFP	GENERAL DYNAMICS	Dec-05	May-07	NO	
FY 07	600	20,000.00	HUNTSVILLE	N/A	FFP	GENERAL DYNAMICS	Dec-06	May-08	NO	
D DEMARKS										

D. REMARKS

Pricing is provided by the Army and incorporates other services' buys.

DD Form 2446-1, JUL 87

P-1 SHOPPING LIST

ITEM NO. 3

Classification:

PAGE NO. 5 UNCLASSIFIED

FY 2006/2007 DON BUDGET	PRODU	JCTIO	N SCI	HEDU	LE, P-	21											DATI			Fe	bru	ary	20	05					
APPROPRIATION/BUDGET AC			NIA N	/\/ O		INIE OO						We	apoi	n Sy	ster	n				OMI									
PROCUREMENT OF AMI	MUNII	ION,	NAV	Y &	WAR									Dro	20118	00000				RO	CKE	:15,	ALI	_ I Y	PES	•	(I	3LI 0'	15100)
		Man	nufactu			Prod	duction	on R	ate		Λ1	ΤP	u:			emen After		Initia				1				ı		: 4	
Item	Ι,		and L		n	MSR	EC.	ON	M/	$_{\wedge}$		Oc			Oct			mua fg Pl			eord fg P			Tota	J			nit of asure	
MK 66 Rocket Motor (HA07)			DYNA			1	14	OIN	20		ιο	OC	l I		7	ı	IVI	18	<u> </u>	IVI	18	<u> </u>		25	l I		K	15UI	3
MK 71 Rocket Motor (H547)	NSW		DINA	AIVIICS)	1	8		15						6			12			19			18			K		
IVIC 71 ROCKET WOTOT (11947)	14344	O, 11 1				•	0		1	,								12			19			10			<u> </u>	_	
		Ī			I			FIS	CALV	/EAR	2004										FIS	CAL	VEAR	2005					_
ITEM / MANUFACTURER	F	FISCAL YEAR 2004 S											ENDAI	R YEA	AR 20	04					1 10			DAR \		2005			
	Y	V C	T Y	E L	A L	0 N C 0	D E	J A	F E	M A	A P	M A	J	J U	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	J	J	A U	S E	B A L
	03	N	04.0	0.0	04.0	T V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	P	10.0
MK66 Rkt Mtr/Gen Dyn	03	N N	64.0 20.0	0.0	64.0 20.0							Α										3.2				17.6	7.2	18.0	18.0
MK66 Rkt Mtr/Gen Dyn	05	N	18.4	0.0	18.4							,,												Α					18.4
MK71 Rkt Mtr/NSWC IH	03	N	3.5	0.0	3.5												1.8						1.7						0.0
MK71 Rkt Mtr/NSWC IH	04	N	2.0	0.0	2.0						Α												2.0						0.0
MK71 Rkt Mtr/NSWC IH	05	N	3.3	0.0	3.3																		Α						3.3
MK71 Rkt Mtr/NSWC IH	06	N	3.5	0.0	3.5																								\vdash
									FISC	CAL YE	AR 2	2006									FIS	CAL	YEAR	2007					
ITEM / MANUFACTURER	F	S	Q	D	В	2005						CALE	NDAI	R YEA	AR 20	06			ı			C	ALEN	DAR \	EAR!	2007			
	Y	V C	T Y	E L	A L	O N C O T V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
MK66 Rkt Mtr/Gen Dyn	03	N	64.0	46.0	18.0	18.0																							0.0
MK66 Rkt Mtr/Gen Dyn	04	N	20.0	0.0	20.0											19.5													0.5
MK66 Rkt Mtr/Gen Dyn	05	N	18.4	0.0	18.4										-			1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
MK71 Rkt Mtr/NSWC IH	05	N	3.3	0.0	3.3						3.3																		0.0
MK71 Rkt Mtr/NSWC IH	06	N	3.5	0.0	3.5						Α												3.5						0.0
																													1
Remarks:		<u> </u>								_					1			<u> </u>				1							

FY 2006/2007 DON BUDGET	PRODU	JCTIO	N SC	HEDU	LE, P	-21											DATE			Fe	bru	ary	20	05					
APPROPRIATION/BUDGET AG PROCUREMENT OF AMI			NAV	/Y &	MAR	INE C	ORI	PS I	BA1			Wea		Sys				ITE			ENC	LAT	UR	E					
						Pro	oduct	tion I	Rate					Proc	cure	mer	it Le	adtir	nes										
			nufactu									T Pri			T Af			Initia			eord							it of	
Item		Name				MSR		8-5			to	Oct	1		Oct 1		M	fg Pl	_T_	M	fg Pl	LT		Tota	l		Mea	asur	Э
MK 66 Rocket Motor (HA07)	GEN	ERAL	DYNA	AMICS	5	1	14	•	20	0					7			18			18			25			K		_
		1	ī	Ī	Ī																								
ITEM / MANUFACTURER	F	s	Q	D	В	2007	,	F	ISCAL	YEAI			DAR	YEAR	2008	3					FISC		EAR LEND	2009 AR YI	EAR 2	:009			-
	Y	V	T Y	E L	A L	O N C O T V	Е	J A N	F E B	M A R	A P R	M A Y	J U	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
MK66 Rkt Mtr/Gen Dyn	05	N	18.4	17.0	1.5	1.5													_										0.
ITEM / MANUFACTURER	F	s	Q	D	В	2009	`		FISC	CAL Y	EAR 2		DAD	YEAR	2010						FISC		EAR	2011 AR YI	- ^ D 0	1044			-
TIEM/ MANOT ACTORER	Y	V	T	E	A	O N		J	F	М	Α	M	J	J	A 2010	s	0	N	D	J	F	М	A	M	AR Z	J	Α	s	E
		С	Y	L	L	C O T V	Е		E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	5 U L	U G	E P	L
																													L

FY 2006/2007 DON BUDGET P	RODU	ICTIO	N SCI	HEDU	LE, P	-21												DATI	Ē		Fe	bru	ary	20	05					
APPROPRIATION/BUDGET AC PROCUREMENT OF AMM	CUREMENT OF AMMUNITION, NAVY & MARINE CORPS BA1 Production Rate Manufacturer's Name and Location MSR ECON MAX Smoke Warhead NSWC, IH 1 2 8														Sys			AIR	ITE BOF	RNE	RO					PES	}	(BL	.I 015	5100)
							Pro	duct	ion l	Rate								nt Le	adtir	nes										
													T P			T A			Initia			eord						Uni		
110111								_	ON	_		to	Oct	t 1	(Oct '	1	M	fg Pl	_T	M	fg P	LT		Tota	al		Mea	sure	<u> </u>
MK34 Smoke Warhead														6			12			20			18			K				
Adv. Precision Kill Weapon Sys	GEN	ERAL	DYNA	AMICS	8	ТВ	D	TBI)	TBI)					7			18			18			25			K		
				Ī					F	ISCAL	YEAI	R 200)4									FISC	CAL Y	EAR	2005					
ITEM / MANUFACTURER	F	S	Q	D	В		2003						CALE	NDAR	YEAF	₹ 200	4						CA	LEND	AR Y	EAR 2	2005			i
	Y	V C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
MK34 Smoke Warhead/NSWC IH	03	N	3.7	0.0	3.7		-	Ū			.,		·	.,	_	_	·		•	Ū					3.7	.,				0.0
MK34 Smoke Warhead/NSWC IH	04	N	3.7	0.0	3.7							Α													0				3.7	0.0
MK34 Smoke Warhead/NSWC IH	05	N	0.0	0.0	0.0																				Α					0.0
MK34 Smoke Warhead/NSWC IH	06	N																									3.2			
Adv. Prec. Kill Weap Sys/Gen Dyn	06	N	0.3	0.0	0.3																									0.3
Adv. Prec. Kill Weap Sys/Gen Dyn	07	N	0.6	0.0	0.6																									0.6
										FISC	CAL Y	EAR	2006									FISC	CAL Y	EAR	2007					
ITEM / MANUFACTURER	F	s	Q	D	В		2005						CALE	NDAR	YEAF	R 200	6						CA	LEND	AR Y	EAR 2	2007			
	Y	V C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
MK34 Smoke Warhead/NSWC IH	05	N	0.0	0.0	0.0																							$\overline{}$		0.0
MK34 Smoke Warhead/NSWC IH	06	N	3.2	0.0	3.2		Α																		3.2					0.0
Adv. Prec. Kill Weap Sys/Gen Dyn	06	N	0.3	0.0	0.3			Α																	0.3					0.0
Adv. Prec. Kill Weap Sys/Gen Dyn	07	N	0.6	0.0	0.6															Α										0.6

FY 2006/2007 DON BUDGET PI			N SCI	HEDU	LE, P	·21												DATE	•		Fe	bru	ary	20	05					
APPROPRIATION/BUDGET ACT PROCUREMENT OF AMM			NAV	Y & 1	MAR	INE	CC	DRF	'S E	3A1		\	Wea	por	Sys	tem		P-1	ITE	M N	ОМ	ENC	CLAT	UR	E					
										Rate					Proc	cure	mer	nt Le	adtir	nes										
			nufactu										T Pr		AL				Initia			eord							t of	
Item			and L				SR	1-8		M		to	Oct	1	C	Oct 1	1	M	fg Pl	<u>.T</u>	M	fg P	<u>LT</u>		Tota	ıl	<u> </u>	Mea	sure	,
Adv. Precision Kill Weapon Sys	GENI	=RAL	DYNA	MICS	<u> </u>	TBE)	TBE)	TBI)					7			18			18			25		—	K		
																											\vdash	—		
									FI	SCAL	YEA	R 200										FIS	CAL Y							
ITEM / MANUFACTURER	F Y	S V	Q T	D E	B A		2007						I	IDAR	YEAR								T			EAR 20	009			В
	'	Č	Y	L	L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U	J L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	A Y	J J	U U	A U G	S E P	A L
Adv. Prec. Kill Weap Sys/Gen Dyn	07	N	0.6	0.0	0.6								0.6															H		0.0
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										FISC	CAL Y	EAR 2										FIS	CAL Y							
ITEM / MANUFACTURER	F Y	S V	Q T	D	В		2009							IDAR	YEAR	2010							1		1	EAR 2	011			В
	Ť	C	Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U	J U	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	J U	A U G	S E P	A L
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Remarks:			I																								Щ			Щ

I	BUDGET I	TEM JUS	TIFICATION	ON SHEE	Τ		DATE:					
		P-40							F	ebruary 2005	5	
APPROPRIATION/BUI	DGET ACTIV	/ITY					P-1 ITEM NC	MENCLATU	IRE			
PROCUREMENT (OF AMMU	NITION, N	IAVY & M	ARINE CO	ORPS/ BA	\-1	MACHINE	GUN AMI	NOITINU			BLI 015500
Program Element for C	ode B Items	:			Other Relat	ted Program	Elements					
	Prior	ID									То	
	Years*	Code	FY 2004	FY 2005**	FY 2006	FY 2007	FY2008	FY 2009	FY 2010	FY 2011	Complete	Total
COST												
(In Millions)	\$98.9	Α	\$17.8	\$32.5	\$23.7	\$16.2	\$24.6	\$24.8	\$25.4	\$25.9	Continuing	Continuning

This line funds procurement of 20MM and 25MM ammunition used with various aircraft gun systems. 20MM ammunition includes procurements of PGU-27 and the Semi-Armor Piercing High Explosive Incendiary (SAPHEI) war fighting cartridge in both the bulk and linked configuration. The bulk (linkless) configured cartridges are used in the M61A1/A2 Gun Systems in the F/A-18 and F-14 Aircraft. The linked configured cartridges are used in the M197 gun AH-1 aircraft. All 20MM ammunition is procured by the Army's Single Manager for Conventional Ammunition (SMCA).

Funds requested for the Product Improvement Program (PIP) are required for: (1) Raufoss Multi-Purpose Technology Study (RMATS). (2) Propellant studies to increase stability to eliminate increased pressure over time.

*Reflects FY1995-FY2003 only. These programs were funded in FY94 and prior from the Weapons Procurement, Navy (WPN) and Other Procurement, Navy (OPN) accounts.

DD Form 2454, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

^{**} FY05 Includes Congressional add of \$7.0M for 20MM-BULK HEI.

CLASSIFICATION:

DD Form 2454, JUN 86

UNCLASSIFIED

ITEM NO.

BUDGET ITEM JUSTIFICATION SHEET FOR AGGI	REGATED ITE	MS					DATE:			
P-40a							Febru	ary 2005		
APPROPRIATION/BUDGET ACTIVITY				P-1 ITE	M NOMENCLA	ATURE	•			
PROCUREMENT OF AMMUNITION, NAVY & MARI	NE CORPS/B/	A-1		MACHINE GUI	OITINUMMA N	N			BLI 015500	
	ID	Prior							То	
Procurement Items	Code	Years*	FY 2004	FY 2005	FY 2006	FY 2007			Complete	Total
20MM BULK, TP										
Quantity	Α	5,836,236	273,250	1,327,778	1,547,523	538,066			Continuing	Continuing
Funding		\$35,437	\$1,680	\$8,365	\$9,997	\$3,562				
20MM, BULK (LINKLESS), HEI										
Quantity	Α	1,357,188	0	937,969	135,772	158,299			Continuing	Continuing
Funding		\$25,713	\$0	\$21,517	\$3,192	\$3,815				
20MM LINKED, TP,										
Quantity	А	1,214,654	271,800	0	0	529,856			Continuing	Continuing
Funding		\$10,409	\$2,777	\$0	\$0	\$5,892				
20MM, LINKED, HEI										
Quantity	А	187,300	427,800	0	283,458	0			Continuing	Continuing
Funding		\$4,464	\$10,859	\$0	\$7,557	\$0				
20MM, LINKED, HEI (OIF SUPPL)										
Quantity	Α	55,300	0	0	0	0				
Funding		\$1,316	\$0	\$0	\$0	\$0				
20 MM LINKING EFFORT, TP, TPT										
Quantity	А	395,100	0	0	0	0				
Funding		\$756	\$0	\$0	\$0	\$0				
Other Costs		\$20,842	\$2,436	\$2,666	\$2,920	\$2,960			Continuing	Continuing
Total P-1 Funding		\$98,937	\$17,752	\$32,548	\$23,666	\$16,229				
*Reflects FY1995-FY2003 only. These programs we	re funded in F	/94 and prior	from the We	apons Procurer	nent Navy (WF	N)				
and Other Procurement Navy (OPN) accounts.				D 4 OLIODO					DOUTION I	

P-1 SHOPPING LIST CLASSIFICATION:
4 PAGE NO. 2

	WEAPONS SYSTEM COST ANALYSIS					DATE:										
	P-5						ary 2005									
	RIATION/BUDGET ACTIVITY						DMENCLATUR									
PROCURE	MENT OF AMMUNITION, NAVY & MARINE CORPS BA-1						UN AMMUNITI	ON			BLI 015500					
			TOTAL COST	IN THOUSAN	IDS OF DOLL	.ARS										
COST	ELEMENT OF COST	ID	Prior	FY 2001		FY2004			FY2005			FY 2	2006		FY2007	
CODE		Code	Years*													
			Total Cost	Unit Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
Q4010	20MM BULK, TP	Α	35,437	6.68	273,250	6.15	1,680	1,327,778	6.30	8,365	1,547,523	6.46	9,997	538,066	6.62	3,562
	20MM, BULK, HEI	A	25,713	- 0.00	210,200	0.10	1,000	937,969	22.94	21,517	135,772	23.51	3,192		24.10	
	20MM LINK, TP	A	10,409	8.62	271,800	10.22	2,777	307,300	22.04	21,017	100,772	20.01	0,102	529,856	11.12	
	20MM, LINK HEI	A	4,464	24.13		25.38	10,859				283,458	26.66	7,557	020,000	11.12	0,002
	20MM, LINK HEI (OIF SUPPL)	A	1,316	-	.2.,000	20.00	.0,000				200, 100	20.00	.,00.			
	20MM Linking Effort, TP,TPT	A	756	_												
Q 1000	2011111 2111111119 211011, 11 ,11 1	, ,														
Q4800	Integrated Logistics Support		2,229				185			565			575			605
Q4830	**Prod. Engr. SupNavy		13,298				1,720			1,571			1,782			1,789
Q4850	Product Improvement Program		5,260				531			530			563			566
Q4894	Gaging		55													
	tD () . EVOS EVOS	F) (0.4														
	*Reflects FY95-FY03 only, these programs were funded in and Other Procurement, Navy (OPN) accounts.	F Y 94 a	na prior from t	tne vveapons P	rocurement, i	navy (WPN) I										
	and Other Procurement, Navy (OPN) accounts.															
	Pricing is provided by the Army and incorporates other sen	l vicos' bu	1)/6													
	NOTE; Congressional funding received in FY-05 increased			ios of 20MM R	III K MEI											
	INOTE, Congressional funding received in 111-05 incleases	a procui	l dineni quanili	103 OI ZUIVIIVI-D	OLIVIILI.											
		I														
	TOTAL		98,937				17,752			32,548			23,666			16,229
	IVIAL		30,337				11,132			32,340			23,000			10,229

P-1 SHOPPING LIST CLASSIFICATION:

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CLASSIFICATION:

UNCLASSIFIED

MENT HISTOR	Y AND PL	ANNING EXHIE	BIT (P-5A)		Weapon System		A. DATE		
							F	ebruary 2005	5
ET ACTIVITY				C. P-1 ITEM N	OMENCLATURE			SUBHEAD	
MMUNITION, NA	VY &							J1	Q4
<u> </u>				MACHINE	GUN AMMUNITION	BLI 015500			
				CONTRACT			DATE OF	SPECS	IF YES
QUANTITY	UNIT	LOCATION	RFP ISSUE	METHOD	CONTRACTOR	AWARD	FIRST	AVAILABLE	WHEN
	COST	OF PCO	DATE	& TYPE	AND LOCATION	DATE	DELIVERY	NOW	AVAILABLE
	(000)								
273,250	6.15	ARMY IOC	N/A	FFP	GENERAL DYNAMICS	Jul-04	May-05	YES	
1,327,778	6.30		N/A		TBD	Apr-05			
1,547,523	6.46	ARMY IOC	N/A	FFP	TBD	Apr-06	Oct-06	YES	
538,066	6.62	ARMY IOC	N/A	FFP	TBD	Apr-07	Oct-07	YES	
937,969	22.94	ARMY IOC	N/A	FFP	TBD	Apr-05	Oct-05	YES	
135,772	23.51	ARMY IOC	N/A	FFP	TBD	Apr-06	Oct-06	YES	
158,299	24.10	ARMY IOC	N/A	FFP	TBD	Apr-07	Oct-07	YES	
273,090	9.43	ARMY IOC	N/A	FFP	GENERAL DYNAMICS	Sep-03	Jan-05	YES	
60,793	9.43	ARMY IOC	N/A	FFP	GENERAL DYNAMICS		Jan-05	YES	
271.800	10.22	ARMY IOC	FFP	TBD	Sep-04	Mar-05	YES		
529,856	11.12	ARMY IOC	N/A	FFP	TBD	Apr-07	Oct-07	YES	
427,800	25.38	ARMY IOC	N/A	FFP	TBD	Feb-04	Apr-04	YES	
				1		1		1	
Army and incorporat	tes other serv	ices' buys.							
•		•							
1	273,250 1,327,778 1,547,523 538,066 937,969 135,772 158,299 273,090 60,793 271,800 529,856 427,800	AMMUNITION, NAVY & 1 QUANTITY UNIT COST (000) 273,250 6.15 1,327,778 6.30 1,547,523 6.46 538,066 6.62 937,969 22.94 135,772 23.51 158,299 24.10 273,090 9.43 60,793 9.43 271,800 10.22 529,856 11.12 427,800 25.38	TACTIVITY (MMMUNITION, NAVY & 1	QUANTITY UNIT COST OF PCO DATE 273,250 6.15 ARMY IOC N/A 1,327,778 6.30 ARMY IOC N/A 1,547,523 6.46 ARMY IOC N/A 538,066 6.62 ARMY IOC N/A 937,969 22.94 ARMY IOC N/A 135,772 23.51 ARMY IOC N/A 158,299 24.10 ARMY IOC N/A 273,090 9.43 ARMY IOC N/A 273,090 9.43 ARMY IOC N/A 271,800 10.22 ARMY IOC N/A 271,800 10.22 ARMY IOC N/A 427,800 25.38 ARMY IOC N/A	ET ACTIVITY (MMUNITION, NAVY & MACHINE) QUANTITY UNIT COST OF PCO DATE CONTRACT METHOD & TYPE 273,250 6.15 ARMY IOC N/A FFP 1,327,778 6.30 ARMY IOC N/A FFP 1,547,523 6.46 ARMY IOC N/A FFP 538,066 6.62 ARMY IOC N/A FFP 135,772 23.51 ARMY IOC N/A FFP 158,299 24.10 ARMY IOC N/A FFP 24.10 ARMY IOC N/A FFP 273,090 9.43 ARMY IOC N/A FFP 273,090 9.43 ARMY IOC N/A FFP 273,090 9.43 ARMY IOC N/A FFP 273,090 9.43 ARMY IOC N/A FFP 273,090 9.43 ARMY IOC N/A FFP 273,090 9.43 ARMY IOC N/A FFP 273,090 9.43 ARMY IOC N/A FFP 273,090 9.43 ARMY IOC N/A FFP 273,090 10.22 ARMY IOC N/A FFP TBD 529,856 11.12 ARMY IOC N/A FFP TBD 529,856 11.12 ARMY IOC N/A FFP TBD 529,856 11.12 ARMY IOC N/A FFP TBD 529,856 11.12 ARMY IOC N/A FFP	C. P-1 ITEM NOMENCLATURE	C. P-1 ITEM NOMENCLATURE MACHINE GUN AMMUNITION BLI 015500	C. P-1 ITEM NOMENCLATURE MACHINE GUN AMMUNITION BLI 015500	C. P-1 ITEM NOMENCLATURE SUBHEAD J1

DD Form 2446-1, JUL 87

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 4

PAGE NO. 4

FY 2004/2005 BUDGET PROD	UCTIO	N SCH	EDULE, P-	21														DATE				Februa	ry 2005							
APPROPRIATION/BUDGET AC	TIVITY	,												Weapon	System			P-1 ITE	M NOME	NCLAT	JRE									
PROCUREMENT OF AMMUNIT	ION, N	AVY &	MARINE C	ORPS E	3A-1																MACHIN	IE GUN A	AMMUN	ITION				BLI 0155	500	
								Producti	on Rate							Pro	curemer	nt Leadtir	nes											
			Manufactu	ırer's									ALT Prio	r		ALT Afte	r		*Initial		,	'Reorder						Ur	nit of	
Item		N	ame and L	ocation		M	SR	1-8	3-5	M.	AX		to Oct 1			Oct 1			Mfg PLT			Mfg PLT			Total			Mea	asure	
20MM, BULK, TP	GEN	ERAL D	YNAMICS	, MARIC	N IL	6	6	27	70	7:	90		6			6			6			6			12			TH		
20MM, BULK, TP	ALLI	ANT TE	CH			6	66	27	70	7:	90		6			6			6			6			12			TH		
20MM, BULK, HEI	TBD					6	66	27	70	7	90		6			6			6			6			12			TH		
20MM, LINK, TP	GEN	ERAL D	YNAMICS	, MARIC	N IL	6	66	27	70	7:	90		6			6			6			6			12			TH		
20MM, LINK, HEI	TBD					6	66	27	70	7:	90		6			6			6			6			12			TH		
										FI	SCAL YE	AR 200)4									FI	SCAL Y	EAR 200)5					
			Q	D	В																									
ITEM/MANUFACTURER	F	S					2003					CAI	_ENDAR	YEAR 2	004									CALENI	DAR YE	AR 2005				
	Υ	V	Т	E	Α	0	N	D	J	F	M	Α	M	J	J	Α	S	0	N	D	J	F	M	Α	M	J	J	Α	S	В
		С	Υ	L	L	С	0	E	Α	E	Α	Р	Α	U	U	U	E	С	0	E	Α	E	Α	Р	Α	U	U	U	E	Α
1				l		Т	V	С	N	В	R	R	Y	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	L
20MM, BULK, TP																														
GENERAL DYNAMICS	04	N	273.3	0.0	273.3										Α										191.0	82.3				0.0
TBD	05	N	1327.8	0.0	1327.8																			Α						1327.8
TBD	06	N	1547.5	0.0	1547.5																									1547.5
20MM, BULK, HEI																														
GENERAL DYNAMICS	05	N	938.0	0.0	938.0																			Α						938.0
GENERAL DYNAMICS	06	N	135.8	0.0	135.8																			_ ^				$\overline{}$		135.8
GENERAL DINAMICS	00	IN	133.0	0.0	133.0																									133.0
20MM, LINK, TP										-																				
GENERAL DYNAMICS	02	N	273.1	0.0	273.1																55.0	55.0	55.0	55.0	E2 4		\vdash	$\overline{}$		0.0
GENERAL DYNAMICS	03	N	60.8	0.0	60.8																60.8	55.0	55.0	55.0	55.1		\vdash	$\overline{}$		0.0
TBD	03	N	271.8	0.0	271.8												Α				0.00		150.0	404.0			\vdash			0.0
IBD	04	IN	2/1.0	0.0	2/1.0												A						150.0	121.0			\vdash			0.0
COMMA LINIK LIEL																												\vdash		
20MM, LINK, HEI			407.0		407.0							440.5		00.7	00.7	00.7	55.0	00.0										\vdash		0.0
GENERAL DYNAMICS	04	N	427.8	0.0	427.8					Α		110.5		66.7	66.7	66.7	55.0	62.2									1	\vdash		0.0
					ļ																						Щ			
	_	_	_	_	_					FI	SCAL YE	AR 200										FI	SCAL Y	EAR 200						
ITEM / MANUFACTURER	F	S	Q	D	В		2005							ENDAR										CALENI		AR 2007	1			_
	Υ	V	T	E	Α	0	N	D	J	F	M	Α	M	J	J	A	S	0	N	D	J	F	M	Α	M	J	J	A	S	В
		С	Y	L	L	С	0	E	Α	E	Α	P	A	U	U	U	E	С	0	E	Α	E	Α	Р	Α	U	U	U	E	A
				ļ	ļ	Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
20MM, BULK, TP																														
TBD	05	N	1327.8	0.0	1327.8	180.0	180.0	180.0	180.0	180.0	180.0	180.0	67.8															<u> </u>		0.0
TBD	06	N	1547.5	0.0	1547.5							Α						180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	107.5		<u> </u>		0.0
TBD	07	N	538.1	0.0	538.1																			Α						538.1
20MM, BULK, HEI																												, 7		
GENERAL DYNAMICS	05	N	938.0	0.0	938.0	180.0	180.0	180.0	180.0	180.0	38.0																			0.0
GENERAL DYNAMICS	06	N	135.8	0.0	135.8							Α						135.8										1		0.0
TBD	07	N	158.3	0.0	158.3																			Α						158.3
					1	İ												İ												
20MM, LINK, TP	1																													
TBD	07	N	529.9	0.0	529.9	İ												İ						Α						529.9
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 4 PAGE 5

UNCLASSIFIED CLASSIFICATION:

FY 2004/2005 BUDGET PRODU		N SCHE	DULE, P-2	21														DATE				Februa	ry 2005							
APPROPRIATION/BUDGET ACT	TIVITY							(BLI 0155	500)					Weapon	System			P-1 ITE	M NOME	NCLATU	IRE						BLI 0155	500		
PROCUREMENT OF AMMUNIT	ION, N	AVY &	MARINE C	ORPS	3A-1							•	(BI	_I 01550	0)						MACHIN	NE GUN	AMMUN	IITION						
								Production	on Rate							Pro	curemer	nt Leadtir	mes											
			Manufactu	ırer's									ALT Prior			ALT Afte	r		*Initial			*Reorder							nit of	
Item		N:	ame and L	ocation		MS	SR	1-8		M	4X		to Oct 1			Oct 1			Mfg PLT			Mfg PLT			Total				easure	
20MM BULK, TP	TBD					6	9	27	0	79	90		6			6			6			6			12			TH		
20MM, BULK, HEI	TBD					6		27		79			6			6			6			6			12			TH		
20MM, LINK, TP	TBD					6	6	27		79			6			6			6			6			12			TH		
20MM, LINK, HEI	TBD					6	6	27	0	79	90		6			6			6			6			12			TH		
										FI	SCAL Y	EAR 200)8									F	ISCAL Y	EAR 20	09					
ITEM / MANUFACTURER	F	S	Q	D	В		20	007					CAI	ENDAR	YEAR 2	2008								CALEN	DAR YEA	AR 2009				1
	Υ	V	Т	E	Α	0	N	D	J	F	M	Α	M	J	J	Α	S	0	N	D	J	F	M	Α	M	J	J	Α	S	В
		С	Υ	L	L	С	0	E	Α	E	Α	Р	Α	U	U	U	E	С	0	E	Α	E	Α	Р	Α	U	U	U	E	Α
						Т	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	L
20MM, BULK, TP																														
TBD	07	N	538.1	0.0	538.1	180.0	180.0	178.1																						0.0
20MM, BULK, HEI																														
GENERAL DYNAMICS	07	N	158.3	0.0	158.3	158.3																								0.0
20MM, LINK, TP																														
TBD	07	N	529.9	0.0	529.9	180.0	180.0	169.9																						0.0
										FI	SCAL Y	EAR 201	0									F	ISCAL Y	EAR 20	11					
			Q	D	В																									
ITEM/MANUFACTURER	F	S	Q	D	D		2009					CA	LENDAR	YEAR 2	010									CALEN	DAR YEA	AR 2011				
TIEN/N/M/MOI/NOTONEIX	Ÿ	V	т	Е	Α	0	N	D	J	F	М	Δ	M	1 2/11 2	J	Α	S	0	N	D		F	М	I A	M	1	- 1	Α	S	В
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Remarks:	•																													

*Navy qtys have historically been delivered in 6 months at a no-cost accelerated schedule.

DD Form 2445, JUL 87 311 / 244 Previous editions are obsolete P-1 SHOPPING LIST ITEM NO. 4 PAGE 6

UNCLASSIFIED

CLASSIFICATION:

			BUDGE1	ITEM JUST	IFICATION S	SHEET				DATE:		
				P-40							February	2005
APPROPRIATION/BUD	GET ACTIVIT	Υ						P-1 ITEM NOI	MENCLATURE			
PROCUREMENT O	F AMMUNI	TION, N	NAVY & MA	RINE CORPS	3				PRACTICE	BOMBS (J10	Q1)(BLI 016000)
Program Element for Co B.A.1 - Navy Ammu								Other Related	Program Elen	nents		
	Prior	ID									To	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY2011	Complete	Total
QUANTITY												
COST (In Millions)	\$351.3	Α	\$46.6	\$53.4	\$56.6	\$49.9	\$61.0	\$62.2	\$63.6	\$64.9	CONT	CONT

Practice Bombs are a low cost alternative to expenditures of live bombs for training. The MK 76 simulates an unretarded MK 80 series bomb. It is a 25 lb. cast iron shape with a breach hole for a MK 4 or CXU-3 signal which provides a smoke signal or flash upon impact. The BDU-48 simulates retard bombs. It is a 10 lb. thin cased cylindrical bomb with a breach hole for a MK 4 or CXU-3 signal which provides a smoke signal or flash upon impact. The BDU-48 NTP and MK 83 Inert are full-sized Practice Bombs. They are MK 80 series bomb bodies filled with an inert material and have the same weight, size, center of gravity and ballistics of a live bomb. The BDU-45 uses a CXU-4 signal cartridge for spotting location and simulates a 500 lb General Purpose Bomb. These items are procured by the Army as a Single Manager for Conventional Ammunition. The BSU-86A/B fin at pilot option can extend four fin blades which decelerate bomb speed. This fin is utilized on the BDU-45.

The Laser Guided Training Round (LGTR) is procured directly by the Navy. This round enhances the effective use of the PAVEWAY II Laser Guided Bombs (LGB) precision guided weapon which requires coordination between the aircrew and the laser designator. Development of delivery options and multi-aircraft tactics require extensive cost effective training. The Congressionally directed procurement of the Laser Guided Training Round (LGTR) is capable of replicating the kinematics of LGBs to provide increased basic training capability and follow-on advanced tactics development; and is suitable for launch from all Navy and Marine Corps aircraft used to deploy LGBs. LGTR provides actual hardware for aircrew and tactics development at a greatly reduced cost while maintaining LGB stockpiles. The LGTR production spike in FY05 was required to provide inventory sufficient to fill logistics pipeline.

The Production Engineering Support and Integrated Logistics Support are continuing annualized efforts associated with ongoing procurements of the Practice Bombs associated Signal Cartridge, BDU-45/B, MK 76, LGTR, fins and other practice weapons. These efforts include maintenance of PDP (Procurement Data Packages), participation in post award conference, first article and quality assurance testing: ECP review/comments/recommendation, technical manual update, evaluation of engineering change proposal, and response to fleet inquiries.

Miscellaneous Items line created for \$2M in FY02 through FY07 to include M70 series cables, Mk 89 Adapters, Arming Wires, Lugs, Nose Plugs, etc.

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 5 PAGE NO. 1

DD Form 2454, JUN 86

	E	BUDGET IT	EM JUSTIFIC			GREGATE	DITEMS			DATE:	-	
APPROPRIATION/BUD	GET ACT	IVITY		P-40	<u>a </u>	I	P-1 ITEM NO	MENCLATURE	:		Februa	ry 2005
PROCUREMENT O			AVY & MARII	NE CORPS			I -I II LIVI IVO			(J1Q1)(B	LI 016000)	
	ID	Prior									То	
Procurement Items	Code	Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
MK 76 (E973)	A											
QTY			0	196,000	196,000	196,000					_	
FUNDING			\$0	\$5,996	\$6,098	\$6,205					Cont	Cont
MK 82 INERT (F237)	Α	-										
QTY			14,891	5,000	7,000	11,500						
FUNDING			\$16,134	\$4,712	\$6,708	\$11,214					Cont	Cont
LGTR	A											
QTY	, ·		7.933	13.062	10.867	7,941						
FUNDING			\$17,908	\$28,836	\$24,590	\$18,418					Cont	Cont
MK 83 INERT (E511)	A											
QTY	,		4,000	4,000	6,813	3,630						
FUNDING			\$5,928	\$6,027	\$10,437	\$5,661					Cont	Cont
BDU-48(E962)	Α											
QTY			20,000	20,000	20,000	20,000						
FUNDING			\$602	\$910	\$926	\$942					Cont	Cont
OTHER COSTS			\$3,937	\$4,889	\$5,810	\$5,431					Cont	Cont
OTHER COSTS			φυ,937	ψ4,009	φυ,σ10	φυ, 4 31					COIII	COIII
Miscellaneous Items			\$2,065	\$2,000	\$2,000	\$2,000	_				Cont	Cont
			+=,=00	+ =,= 00	+=,=00	+=,=00						
TOTAL:		\$351,258	\$46,574	\$53,370	\$56,569	\$49,871					Cont	Cont

P-1 SHOPPING LIST

ITEM NO. 5 PAGE NO. 2

UNCLASSIFIED

CLASSIFICATION:

	WE	EAPONS	SYSTEM CO P-5	OST ANALY:	SIS				Weapon Sy	stem			DATE: Fe	ebruary 2	.005
APPRO	PRIATION/BUDGET ACTIVITY								ID Code	P-1 ITEM NO	MENCLATUR	E/SUBHEAD			
PROCU	REMENT OF AMMUNITION, NAVY &	MARINE	CORPS												
	- Navy Ammunition									PRACTI	CE BOM	BS (J1Q	1)(BLI 0	16000)	
			TOTAL COST	Γ IN THOUSA	NDS OF DOL	LARS						•			
COST CODE	ELEMENT OF COST	ID Code	Prior Years		FY 2004			FY 2005			FY 2006			FY 2007	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	PROCUREMENTS														
Q1010	MK 76 (E973)	Α				0	196,000	30.59	5,996	196,000	31.11	6,098	196,000	31.66	6,205
Q1040	MK 82 INERT (F237)	Α	-	14,891	1,083.44	16,134	5,000	942.42	4,712	7,000	958.31	6,708	11,500	975.11	11,214
Q1300	LASER GUIDED TRAINING ROUND*	Α		7,933	2,019.74	17,908	13,062	2,207.62	28,836	10,867	2,262.81	24,590	7,941	2,319.38	18,418
Q1060	MK 83 INERT (E511)	Α		4,000	1,481.92	5,928	4,000	1,506.75		6,813	1,531.90	10,437	3,630	1,559.62	5,661
Q1061	BDU-48(E962)	Α		20,000	30.08	602	20,000	45.50	910	20,000	46.29	926	20,000	47.12	942
	REMENT SUPPORT AND OTHER														1
Q1800	ILS					400			400			400			400
Q1830	PES					2,947			3,889			4,810			4,431
Q1850	PIP					340			350			350			350
Q1894	GAGING					250			250			250			250
Q1TBA	MISCELLANEOUS ITEMS					2,065			2,000			2,000			2,000
			351,258			46,574			53,370			56,569			49,871

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 5 PAGE NO. 3

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND	PLANNING I	EXHIBIT (P-	5A)			Weapon System		A. DATE		
								Fe	ebruary 20	005
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NON	MENCLATURE			SUBHEAD	
PROCUREMENT OF AMMUNITION, NAV	Y & MARINE	CORPS								
						BOMBS (BLI 0160	000)		J1Q1	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
Q1010 MK 76 (E973)										
FY 05	196,000	30.59	Rock Island, IL	Aug-04	C/FP	UNKNOWN	Apr 05	May-06	YES	
FY 06	196,000	31.11	Rock Island, IL	TBD	C/FP	UNKNOWN	Apr 06	May-07	YES	
FY 07	196,000	31.66	Rock Island, IL	TBD	C/FP	UNKNOWN	Apr 07	May-08	YES	
Q1040 MK 82 INERT/ F237)								-		
FY 04	14,891	1083.44	Rock Island, IL	Aug-04	SS/FP	MCALESTER, AAP	Feb-04	Jun-06	YES	
FY 06	7,000	958.31	Rock Island, IL	TBD	SS/FP	MCALESTER, AAP	Feb-06	Jun-08	YES	
FY 07	11,500	975.11	Rock Island, IL	TBD	SS/FP	MCALESTER, AAP	Feb-07	Jun-09	YES	
Q1300 Laser Guided Training Round										
FY 04**	7,933	2,019.74	NAVAIR	Aug-04	C/FP	LOCKHEED-MARTIN	Apr-04	Feb-05	YES	
FY 05	13,062	2,207.62	NAVAIR	Aug-05	C/FP	UNKNOWN	Apr-05	Feb-06	YES	
FY 06	10,867	2,262.81	NAVAIR	TBD	C./FP	UNKNOWN	Apr-06	Feb-07	YES	
FY 07	7,941	2,319.38	NAVAIR	TBD	C/FP	UNKNOWN	Apr-07	Feb-08	YES	
Q1060 MK 83 Inert (E511)										
FY 04	4,000	1,481.92	Rock Island, IL	Aug-03	SS/FP	MCALESTER, AAP	Jan 04	Jun 05	YES	
FY 05	4,000	1,506.75	Rock Island, IL	Aug-04	SS/FP	MCALESTER, AAP	Jan 05	Jun 06	YES	
FY 06	6,813	1,531.90	Rock Island, IL	TBD	SS/FP	MCALESTER, AAP	Jan 06	Jan 07	YES	
FY 07	3,630	1,559.62	Rock Island, IL	TBD	SS/FP	MCALESTER, AAP	Jan 07	Jan 08	YES	
Q1061 BDU-48(E962)										
FY 04	20,000	30.08	Rock Island, IL	Aug-03	C/FP	DELFASCO	Oct 04	Feb 05	YES	
FY 05	20,000	45.50	Rock Island, IL	Aug-04	C/FP	UNKNOWN	Jan 05	Feb 06	YES	
FY 06	20,000	46.29	Rock Island, IL	TBD	C/FP	UNKNOWN	Jan 06	Feb 07	YES	
FY 07	20,000	47.12	Rock Island, IL	TBD	C/FP	UNKNOWN	Jan 07	Feb 08	YES	

D. REMARKS

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST

ITEM NO. 5 PAGE NO. 4

UNCLASSIFIED

Classification:

 $[\]ensuremath{^{**}\text{LGTR}}$ FY04 - \$1,885k included in total cost to buy steel and $\ensuremath{^{**}\text{wooden}}$ containers.

FY 2004/05 BUDGET PRODUCT		HEDU	ILE, P-2	1														DATE					Febr	uary 2	2005					
APPROPRIATION/BUDGET ACT PROCUREMENT OF AMMUNITION		/V 0 B	AADINE	CORR	•								V	Veapo	n Syste	em		P-1 N	omeno	lature			DDA	CTICE	BOM	26 / 14 /	Q1) (BL	1 0460	000)	
PROCUREMENT OF AMMONITE	JN, NA	/ T OX IV	IAKINE	CORP	•	1		Droduo	tion Rate							Dro	curem	ent Ler	adtima				FRA	CTICE	DUIVII	33 (310	41) (DI	_10160	J00)	
	1		Manufac	turor'o				Toduc	tion Kat	7		Λ	LT Pric	or.	^	ALT Aft		EIII LE	Initial	-		Reorde	-						nit of	
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Item	_		me and		n	IV	1SR		-8-5	MA		τ	o Oct 1	<u> </u>		Oct 1		l,	√lfg PL	.1		Mfg PL	I		Total		T1441		easure	
MK 76			LESTER				120000			108000									14						21		IVVIN	I/BULK		
MK 82 INERT	-	MCA	LESTER	(OK)			54000		96000	192000	ann.					6			28						34				K	
																											\vdash			
ITEM / MANUFACTURER			Q	D	В				1	FISCA	L YEAR 2	2004			E.D. 000							ı	FISCAL YE	AR 2005 CALEND						_
TIEW / MANUFACTURER	Y	S V	T	E	A	2003								NDAR	'EAR 200				I					CALEND		2005			$\overline{}$	- B
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MK 76(E973) THOUSANDS	+	N																									\vdash	<u> </u>	-	+
UNKNOWN	05		196.0	0	196.0																			Α			1			196.0
UNKNOWN	06		196.0	0	196.0																									196.0
UNKNOWN	07		196.0	0	196.0																									196.0
MK82(F237) THOUSANDS	-	N																									-	\vdash	+	+
MCALESTER	04		14.9	0	14.9					Α																	1			14.9
MCALESTER	06		7.0	0	7.0																									7.0
MCALESTER	07		11.5	0	11.5																									11.5
										FISC	AL YEAR	2006										-	FISCAL YE	AR 2007						
ITEM / MANUFACTURER	F	s	Q	D	В	2005							CALE	NDAR Y	'EAR 200	06								CALEND	AR YEAR	2007				
	Υ	V	T	E	A	0	N	D	J	F	M	Α	М	7	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	B
		С	Y	L	L	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	L
MK 76(E973) THOUSANDS	+	N																									\vdash	_	-	+
UNKNOWN	05		196.0	0	196.0								40.0	40.0	40.0	40.0	36.0													0.0
UNKNOWN	06		196.0	0	196.0							Α													40.0	40.0	40.0	40.0	36.0	
UNKNOWN	07		196.0	0	196.0																			Α			<u> </u>	<u> </u>		196.0
MK82 (F237) THOUSANDS																											 '	<u> </u>	<u> </u>	
MCALESTER	04		14.9	0	14.9									7.9	7.0												<u> </u>		<u> </u>	0.0
MCALESTER	06 07		7.0	0	7.0	I				Α																	.		↓	7.0
MCALESTER			11.5	0	11.5		1	1		1	1		1		1		1					Α	1		l	1	•	i i	1	11.5

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 5 PAGE 5 UNCLASSIFIED

FY 2004/05 BUDGET PRODUCTION SCHEDU	LE, P-21																	Date							Febru	uary	2005			
APPROPRIATION/BUDGET ACTIVITY Procurement of Ammunition, Marine Corps	1												We	eapon	,						enclat	ure PF	RACT	TICE E	ВОМЕ	38 (.	J1Q1)) (B	LI 01	16000
								Produ	ction Ra	te						rocur		t Lea	dtime	s										
			Manufacti	urer's								Α	LT Pri	or	AL	LT Aft	er		Initial		F	Reorde	er					U	Init of	
Item		Na	ame and L	ocation	n	MS	SR	1	1-8-5	M	ΑX	1	o Oct	1		Oct 1		M	fg PL	Т.	I.	/lfg PL	Т	Т	Total			Me	easure	:
LGTR	LOCK	HEED.	-MARTIN(L	ORAL)		UNK			3600	UNK						6			14						20			Е		
MK 83 Inert		ESTE		,		UNK			43200		0/ann					15			16						31			E		
BSU-86		ESTE				UNK				12000						15			13						28			Ē		
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ITEM / MANUFACTURER	F	s	Q	D	В	2003		FIS	SCAL YEAR	2004			CALENDA	AD VEAE	2 0004								FISCAL		DAR YEA	D 0005				1
TIEM / MANOFACTORER	Y	V	T	E	A			T			1		1	AR YEAR	R 2004											.R 2005	1	ı —	I	В
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						T	V	C	N	В	R	R	Ŷ	N	L	G	P	T	V	C	N	В	R	R		N	L	G	P	L
Laser Guided Training Round	-	N		1							1															\dashv				
LOCKHEED-MARTIN	04	t	7933	0	7933	1		†				Α										673	660	660	660 6	660	660	660	660	2640
UNKNOWN	05		13062	0	13062																			Α						13062
UNKNOWN	06		10867	0	10867																									10867
UNKNOWN	07		7941	0	7941																									7941
		1																												
MK 83 Inert(E511)		N																												
MCALESTER	04	IN	4,000	0	4,000				Α																2	000	2000			0
MCALESTER	05	1	4.000	0	4.000				- '`												Α					-	2000			4.000
MCALESTER MCALESTER	06	1	6,813	0	6,813																-/-									6,813
MCALESTER	07		3,630	0	3,630																									3,630
WOALESTER	07		3,030	-	3,030																									3,030
	-	₩																												
										FISC	AL YEAR												FISCAL	YEAR 20						
	F	S	Q	D	В	200		1		1	,	(CALENDA	AR YEAR	R 2006									CALEND	AR YEA	R 2007			,	1
	Y	V C	T Y	E	A L	0	N O	D E	J	F	М	A	М	J	J	A	S E	0	N	D	J	F	М	A		J	J	A	S	B A
ITEM / MANUFACTURER			l '	-	_	C T	V	C	A N	E B	A R	P R	A Y	U N	U L	U G	P	0 C T	N O V	E C	A N	F E B	A R	P R		U N	U L	U G	E P	L
		1																								T t				
Laser Guided Training Round	0.4	N	7000	5000	0040	000	660	000	660																					
LOCKHEED-MARTIN UNKNOWN	04 05	1	7933 13062	5293 0	2640 13062	660	660	660	660	1088	1088	1088	1088	1000	1000	1088	1000	1000	1000	1000	1004									0
UNKNOWN	06	1-	13062	0	13062	1		-	1	1008	1008	1088 A	1006	1008	1000	1008	1008	1008	1008	1008	1094	906	905	905	905 0	205	905	905	905	3626
UNKNOWN	07	1	7941	0	7941			-				_										300	303	903 A	500 8	,00	300	303	303	7941
MK 83 Inert(E511)		N	1	t – Ť		1																								1.541
MCALESTER	05	T	4000	0	4000	1								2000	2000											T				0
MCALESTER	06	1	6813	0	6813				Α												3406	3407				T				0
MCALESTER	07		3630	0	3630																Α									3630
																						1							1	

DD Form 2445, Jul 87 311/244

Previous editions are obsolete

P-1 SHOPPING LIST

FY 2004/05 BUDGET PRODUCT APPROPRIATION/BUDGET ACT		HEDU	JLE, P-2	21									We	apon :	Syster	n	D ₋ 1	ITE	M NOM	IENCI	ΔΤΙΙΕ		bruar	y 2005					
PROCUREMENT OF AMMUNITION		VY & I	MARINE	CORI	PS								***	ароп	Jy Olo.			111	VI INCIV				ВОМІ	3S(J10	1) (BLI	0160	00)		
								Produ	uction R	ate					Pr	ocuren	ent Le	adtim	nes										
			anufactu									Α	LT Pri	or	AL	T After		Init	ial		eorde						Ur	nit of	
Item			ne and L		1	MS		1	-8-5		٩X	1	o Oct	1	(Oct 1		Mfg I	PLT	M	lfg PL	T		Tota			Me	asure)
MK 82 Inert		MCA	LESTER	R(OK)		5	54000		96000	2000/an	n.					6		1	4					20			K		
LGTR		LOC	KHEED-	MART	IN(LOR	AL)	UNK		3600	UNK						6		1	4					20			Е		
	_	_		_	_			FISCA	AL YEAR 2	800										1		FISC		R 2009					l
ITEM / MANUFACTURER	F	S V	Q T	D E	B A	20					1	C/	LENDAF	YEAR	2008			_	1	1 1			CA	LENDAR YE	AR 2009				В
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MK 76 (E973) THOUSANDS	+	N																											
UNKNOWN	07		196.0	0	196.0								40	40	40	40	36												0
MK 82 Inert (F237) THOUSANDS		N																											
MCALESTER	06		7.0	0	7.0									7.0															0
MCALESTER	07		11.5	0	11.5																				11.5				0
LASER GUIDED TRAINING ROUND UNKNOWN	06	N	10867	7241	3626	905	905	905	911								_												0
UNKNOWN	07		7941	0	7941	903	903	900	311	661	661	661	661	661	661	661 6	61 66	66	661	670									0
MK 83 INERT (E511)	0.	N		Ŭ						00.				00.	001	00.	.0.			0.0									
MCALESTER	07		3630	0	3630				3630																				0
										FISC	AL YEAR 2	010										FISC	CAL YEA	R 2011					ĺ
ITEM / MANUFACTURER	F	S	Q	D	В	2009						CA	LENDAF	YEAR	2010		_						CA	LENDAR YE	AR 2011				l
	Y	V C	T Y	E L	A L	O C T	N O V	ОпО	J A N	F E B	M A R	A P R	M A Y	ZCC	J U	U	S O E C P T	C) E	J A N	впл	M A R	A P R	M A Y	JUN	J	0 ⊂ ⊳	Ыπ	B A L
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST CLASSIFICATION:

311/244 ITEM NO 5 PAGE 7 UNCLASSIFIED

		BU	DGET ITEM	JUSTIFICA	TION SHEE	Т			DATE:			
			P-4	0						February 2005		
APPROPRIATION/B	UDGET ACTIVI	TY					P-1 ITEM NO	MENCLATURE		BLI 018000		
PROCUREMENT	OF AMMUN	ITION,	NAVY & MA	RINE CORF	PS/BA-1		Cartridges	and Cartrid	ge Actuated	Devices (CAR	TS/CADS)	
Program Element for	Code B Items:						Other Related	Program Elem	nents	-	-	
	Prior *	ID									То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY												
COST (In Millions)	\$208.7	А	\$29.0	\$29.5	\$32.6	\$33.3	\$34.1	\$34.9	\$35.7	\$36.6	Cont	Cont

Escape System/Life Support Devices

These items, such as safety/arming devices, sequence controls, shielded mild detonating cords, gas generators, initiators, thrusters, thermal batteries, etc, are used in aircraft emergency escape systems. The total number and type of devices installed varies with the type of aircraft, for example: F-14/A(273); F/A-18(136); S-3(105); EA-6B(45), T-45(76), T/AV-8(90) and AH-1(27). These explosives have finite service lives and are replaced during scheduled maintenance. An aircraft may be grounded if a single one of these items does not meet the standard. The devices age at the same rate whether the aircraft is operating in a war time or peace time environment, and thus the requirement is calendar driven. Life support devices such as the Sea Water Activated Release System FLU-12/P Deck Crew Life Vest Inflator, and the FLU-8B/P automatic life vest inflator are essential to crew survival after ejection or being thrown overboard. The budget request provides funding for the procurement of Naval Aircrew Common Ejection Seat (NACES) items, JAU-74/B initiators, BBU-57/A and BBU-64/ACutters (F-18 DIFRS) and other miscellaneous devices.

Weapons/Stores Release Cartridges

These items are used to release the weapons/stores from aircraft. The JAU-22 impulse cartridges are used to eject sonobuoys from aircraft. The budget request also provides for CCU-107 Impulse Cartridges and the JAU-22/B Initiator Cartridge.

Integrated Logistics Support

Integrated Logistics Support (ILS) efforts will provide ILS planning, maintenance standardization, supply support, other technical ILS production efforts.

Production Engineering Support

Production Engineering Support (PES) efforts include the development/review of procurement requests, monitoring of the production, disposition of waivers and deviations, and technical support for First Article Testing/Lot Acceptance Testing.

Product Improvement Programs

DD Form 2454, JUN 86

Product Improvement Programs (PIP) are conducted as part of a continuing effort to correct deficiencies in areas of safety, reliability, maintainability, producibility, and to increase the service life of CARTs and CADs.

FY04 & FY05 includes \$3.4M Congressional Plus-up for FLU-12/P; Budget increase in FY06 and out is to cover the yearly FLU-12/P requirement and increased program cost required to support emerging V-22, F-18E/F, T-6A and JSF aircraft. Due to the retirements of the F-14, T-2, and S-3 aircraft, and the scale-up of the F-18E/F, T-6A, V-22 and JSF aircraft, a change in Cart/CAD requirements is occurring which causes the removal of the MJ91 as a budget line, combining of the SR95 requirement with the WB19 to form a F-18 DIFRS budget line, and the addition of a FLU-12/P and WB15 budget lines.

*Prior to FY 95, this program was funded in the Other Procurement, Navy BA-5 appropriation.

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 6 PAGE NO. 1

DD Form 2454, JUN 86

BUI	DGET IT	TEM JUSTI	FICATION	SHEET FOR	AGGREGA	TED ITEM	3		DATE:			
			P-	-40a						February 2	2005	
APPROPRIATION/BUDGET AC	TIVITY						P-1 ITEM NO	MENCLATURE		BLI 018000		
PROCUREMENT OF AMM	IUNITIO	N, NAVY 8	MARINE C	ORPS/BA-1			Cartridges	and Cartrid	ge Actuated	d Devices (0	CARTS/CADS	S)
Procurement Items	ID Code	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
CCU-107 Init. Ctg. (MT95)	Α											
QTY			72,206	180,000	180,000	180,000					Cont	Cont
Funding			\$469	\$945	\$1,004	\$1,022						
JAU-22/B Init. Ctg. (MF64)	Α											
QTY			154,744	105,000	105,000	105,000					Cont	Cont
Funding			\$2,267	\$1,449	\$1,887	\$1,920						
Thermal Battery (CWDR)	Α											
QTY			228	301	264	259					Cont	Cont
Funding			\$839	\$1,246	\$959	\$960						
BBU-57/A Cutter (SR95)	Α											
QTY			139	78								
Funding			\$1,104	\$785								
FLU-12/P Inflator	Α											
QTY			18,000	21,000	15,000	15,000					Cont	Cont
Funding			\$2,894	\$3,003	\$2,022	\$2,062						
JAU-74 Initiator (WB15)	Α											
QTY					988	601					Cont	Cont
Funding					\$1,848	\$1,166						
F-18 DIFRS (MJ91/WB19)	Α				\$926	\$1,192					Cont	Cont
Navy Aircrew Common Ejection Sea	Α		\$1,818	\$2,269	\$2,360	\$2,269					Cont	Cont
*Misc Devices			\$11,467	\$12,235	\$14,146	\$14,889					Cont	Cont
Other Support			\$8,158	\$7,536	\$7,434	\$7,865					Cont	Cont
TOTAL		\$208,726	\$29,016	\$29,468	\$32,586	\$33,345						
				ļ			<u>l</u>	ļ				1

P-1 SHOPPING LIST

ITEM NO. 6 PAGE NO. 2

CLASSIFICATION:

	WEAPONS SYSTEM CO P-5	OST ANA	ALYSIS			Weapon Sy	stem							DATE: February	2005
_	PRIATION/BUDGET ACTIVITY REMENT OF AMMUNITION, NAVY & MARI	NE COR	PS/BA-1			ID Code			RE/SUBHEA		ces (CAR	BLI 018000		i ebidaiy	2003
	,		TOTAL COST	T IN THOUS	ANDS OF DO	DLLARS					•	•			
COST	ELEMENT OF COST	ID Code	Prior Years		FY 2004			FY 2005			FY 2006			FY 2007	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
Q8200 Q8090	STORES RELEASE CCU-107 Imp Ctg (MT95) JAU-22/B Init. Ctg. (MF64) SAFETY	A A		72,206 154,744		469 2,267	180,000 105,000	5.25 13.80		180,000 105,000	5.58 17.97	,	180,000 105,000	5.68 18.29	,
	Thermal Battery (CWDR) Thermal Battery (CWDR) - Green BBU-57/A Cutter (SR95) FLU-12/P Inflator (JL09) JAU-74 Cartridge Actuated Initiator (WB15) F-18 DIFRS (SR95/WB19) Navy Aircrew Common Ejection Seat Miscellaneous Devices Under \$500K Integrated Logistics Support (ILS) Production Engineering Support (PES) Quality Assurance (QA) Product Improvement Program (PIP) Acceptance Testing	A A A A A		142 86 139 18,000	4,009.90 3,134.00 7,940.80 160.77	569 270 1,104 2,894 1,818 11,467 629 2,691 437 2,730 1,671	301 78 21000	4,138.16 10,070.51 143.00	785	132 132 15,000 988	4,021.59 3,240.00 134.78 1,870.95	428 2,022		4,098.45 3,310.00 137.44 1,939.77	427 2,062
	TOTAL	-	208,726			29,016			29,468			32,586			33,345

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 6 PAGE NO. 3

BUDGET PROCUREMENT HISTORY	AND PLANNIN	IG EXHIBIT (P-	5A)			Weapon System		A. DATE		
								February 2005		
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOME	NCLATURE	BLI 018000		SUBHEAD	
PROCUREMENT OF AMMUNITION,	NAVY & MARIN	IE CORPS/BA-	I		Cartridges a	and Cartridge Actuated D	evices (CAF	RTS/CADS)	J1Q8	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
STORES RELEASE										
Q8200 CCU-107 Imp Ctg (MT95) FY 04	72,206	6.50	NAVICP	Oct-03	C/FP	Technical Ordnance Inc.	Apr-04	Apr-05	YES	
FY05	180,000	5.25	NAVICP	Sep-04	C/FP	St. Bonifacius, MN Technical Ordnance Inc. St. Bonifacius, MN	Nov-04	Jun-05	YES	
FY 06	180,000	5.58	NAVICP	Oct-05	C/FP	UNKNOWN	Apr-06	Apr-07	YES	
FY 07	180,000	5.68	NAVICP	Oct-06	C/FP	UNKNOWN	Apr-07	Apr-08	YES	
Q8090 JAU-22/B Init. Ctg (MF64) FY04	154,744	14.65	NAVICP	Oct-03	C/FP	AMTEC Corp. Janesville, WI	Dec-03	Oct-04	YES	
FY05	105,000	13.80	NAVICP	Sep-04	C/FP	Special Devices Moorpark, CA	Oct-04	Nov-05	YES	
FY06	105,000	17.97	NAVICP	Oct-05	C/FP	UNKNOWN	Apr-06	Apr-07	YES	
FY07	105,000	18.29	NAVICP	Oct-06	C/FP	UNKNOWN	Apr-07	Apr-08	YES	

D. REMARKS

P-1 SHOPPING LIST

CLASSIFICATION

ITEM NO. 6 PAGE NO. 4

BUDGET PROCUREMENT HIST	ORY AND PLAN	NING EXHIBIT (P-5A)			Weapon System		A. DATE		
					1			February 2005	1	
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOME		BLI 018000		SUBHEAD	
PROCUREMENT OF AMMUNITION	ON, NAVY & MA	RINE CORPS/B	A-1			Cartridge Actuated Device	es (CARTS/		J1Q8	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
SAFETY										
Q8060 Thermal Battery (CWDR)										
FY 04	142 86	4,009.90 3,134.00	NAVAIR NAVICP	Oct-03 Apr-04	SS/FP SS/FP	Martin-Baker Aircraft Company Eagle-Picher Joplin, MO	Dec-01 Aug-04	Apr-05 Apr-05	YES YES	
FY 05	301	4,138.16	NAVAIR	Oct-04	SS/FP	Martin-Baker Aircraft Company	Apr-05	Apr-06	YES	
FY 06	132 132	4,021.59 3,240.00	NAVAIR NAVICP	Oct-05 Oct-05	SS/FP SS/FP	Martin-Baker Aircraft Company Eagle-Picher	Apr-06 Apr-06	Apr-07 Apr-07	YES YES	
	132	3,240.00	NAVICE	OCI-05	33/FF	Lagie-Fichel	Api-00	Αρι-07	ILS	
FY 07	130 129	4,098.45 3,310.00	NAVAIR NAVICP	Oct-06 Oct-06	SS/FP SS/FP	Martin-Baker Aircraft Company Eagle-Picher	Apr-07 Apr-07	Apr-08 Apr-08	YES YES	
Q8080 BBU-57/A Cutter (SR95)										
FY 04	139	7,940.80	NAVICP	N/A	SS/FP	Northrop-Grumman Corp. El Segundo, CA	Apr-04	Apr-05	YES	
FY 05	78	10,070.51	NAVICP	Oct-04	SS/FP	Northrop-Grumman Corp. El Segundo, CA	Apr-05	Apr-06	YES	
Q8140 FLU-12/P Inflator (JL09)						Er deganae, er t				
FY 04	18,000	160.77	NAVICP	Oct-03	SS/FP	CONAX Florida St Petersburg, Fl	Feb-04	Apr-05	YES	
FY 05	21,000	143.00	NAVICP	Oct-04	SS/FP	CONAX Florida St Petersburg, Fl	Feb-05	Apr-06	YES	
FY06	15,000	134.78	NAVICP	Oct-05	SS/FP	CONAX Florida	Apr-06	Apr-07	YES	
FY07	15,000	137.44	NAVICP	Oct-06	SS/FP	CONAX Florida	Apr-07	Apr-08	YES	
Q8160 JAU-74/A Initiator (WB15) FY06	988	1,870.95	NAVICP	Oct-05	SS/FP	Martin-Baker Aircraft Company	Apr-06	Apr-07	YES	
FY 07	601	1,939.77	NAVICP	Oct-06	SS/FP	Martin-Baker Aircraft Company	Apr-07	Apr-08	YES	

D. REMARKS

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

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^{1.} FY04 procurement of 86 units is the LIRP Lot of the "Green" configuration of the device. In FY06 the requirement will be evenly split between the two configurations to maintain industrial capabilities.

^{2.} The BBU-57/A Cutter is the DIFRS for the F-18C/D model aircraft. Its requirement is combined with the BBU-64 cutter (F-18E/F A/C) to form the F-18 DIFRS budget line beginning in FY06.

^{3.} FY 04/05 FLU-12/P requirement was executed utilizing Congressional plus-up dollars. The FLU-12/P is added to the CART/CAD budget beginning in FY06

^{4.} Prior to FY06 the JAU-74/A was executed under the Miscellaneous Devices budget line.

		BU	DGET ITEM	JUSTIFICA	TION SHEE	Т			DATE:			
			P-4	.0						February 2005		
APPROPRIATION/BUD	GET ACTIVI	TY					P-1 ITEM NO	MENCLATURE		BLI 018100		
PROCUREMENT O	F AMMUN	ITION,	NAVY & MA	RINE CORP	'S/ BA-1		Aircraft Es	cape Rocke	ts/Catapult	s		
Program Element for Co	de B Items:						Other Related	Program Elem	nents			
	Prior	ID										
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Total	Total
QUANTITY												
COST												
(In Millions)	\$85.6	Α	\$10.4	\$10.7	\$10.9	\$11.1	\$11.4	\$11.7	\$12.0	\$12.3	Cont	Cont

This program provides funding for rocket motors, rocket catapults and catapults used to eject aircrewmen from disabled aircraft. The program is structured to meet replacement requirements that are based on aircraft inventories and the escape rocket/catapults service lives. The devices age at the same rate whether operating in a war or peace-time environment, and thus the requirement is calendar driven. An aircraft containing a single escape rocket/catapult not up to man-rated standards is grounded for safety-of-flight. Spare inventories are limited to the lowest level that can be maintained without causing aircraft grounding due to shortfalls. Devices are also used to function aircraft emergency safety systems. The FY 2006 and 2007 budget request provides continued funding for the procurement of MK 122 parachute deployment rocket motors, MK 123/124 underseat rocket motors, various miscellaneous devices, Product Improvement Programs (PIP), and associated production engineering and integrated logistics support.

PES: Production Engineering Support efforts include the development/review of procurement requests, monitoring of the production, disposition of waivers and deviations, and technical support for First Article Testing/Lot Acceptance Testing.

ILS: Integrated Logistics Support efforts will provide ILS planning, maintenance standardization, supply support, other technical ILS production efforts.

PIP: Multi-year Product Improvement Programs consists of programs to ensure producibility and safety for the MK 122 PDRM, MK123, MK 124, MK 100, MK 101, MK 86, MK 87, MK 88 USRMs (KU propellant and lead free double base); MK 16 ROCAT; MK 83, MK 85, MK 121 TDRMS; and MK 79, MK 109, MK 113, MK 205 Rocket Motors.

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ITEM NO. 7 PAGE NO. 1

CLASSIFICATION:

NO. 7 PAGE NO. 1

UNCLASSIFIED CLASSIFICATION:

DD Form 2454, JUN 86

	BUDGE	T ITEM JU	ISTIFICATIO	ON SHEET F P-40a	OR AGGRE	GATED ITI	EMS		DATE:	Februa	ry 2005
APPROPRIATION/BUD	GET ACT	TVITY					P-1 ITEM NO	MENCLATURE	<u> </u>	BLI 018100	,
PROCUREMENT O	F AMMU	JNITION. N	IAVY & MAI	RINE CORP	S/ BA-1		Aircraft Es	cape Rocke	ts/Catapults	3	
Procurement Items	ID Code	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY2010	FY2011	Total
1 Tocarciniciti items	Oodc	rears	1 1 2004	1 1 2005	1 1 2000	1 1 2007	112000	1 1 2003	1 12010	1 12011	Total
MK 122	Α										Cont
QTY			159	204	233	233	3				
Funding			\$461	\$624	\$726	\$740					
MK 123	Α										
QTY			10	38	47	47	,				
Funding			\$83	\$340	\$423	\$426					
MK 124	Α										
QTY			50	50	97	97	,				
Funding			\$416	\$447	\$873	\$880					
Misc. Devices			\$4,609	\$4,538	\$3,879	\$4,000					
Other Support			\$4,827	\$4,744	\$4,959	\$5,073					
TOTAL		\$85,610	\$10,396	\$10,693	\$10,860	\$11,119					Cont
					P-1 SHOPPI					CLASSIFICA ⁻	

ITEM NO. 7 PAGE NO. 2

	WEAPONS SYSTEM COS	ST ANA	LYSIS			Weapon Sy	stem							DATE: Februar	y 2005
APPROF	PRIATION/BUDGET ACTIVITY								TURE/SUBHE				I.		•
PROCUE	REMENT OF AMMUNITION, NAVY & MARIN	NE COR	PS/ BA-1			Α	Aircraft E	Escape Ro	ockets/Cat	apults			BLI 0181	00	
0007	ELEMENT OF COOT		TOTAL COS	T IN THOUS		OLLARS		FV 0005			F1/ 0000		T	E)/ 0007	
COST CODE	ELEMENT OF COST	ID Code	Prior Years		FY 2004			FY 2005			FY 2006			FY 2007	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
Q9080 Q9081 Q9130 Q9820 Q9800 Q9830 Q9850	SAFETY MK122 Parachute Deploy Rkt Motor (MT29) MK123 Underseat Rkt Motor (MT30) MK124 Underseat Rkt Motor(MT31) Miscellaneous Devices Under \$500K Reliability Life Integrated Logistics Support (ILS) Production Engineering Support (PES) Product Improvement Program (PIP) Acceptance Test	A A A		159 10 50	2,900.00 8,313.31 8,313.31	461 83 416 4,609 675 450 1,312 1,598 792	204 38 50	3,059.31 8,935.00 8,935.00	624 340 447 4,538 690 469 1,341 1,337 907	233 47 97	3,117.60 8,997.00 8,997.00	423	47 97	9,069.00	740 426 880 4,000 707 507 1,419 1,379 1,061
	TOTAL		85,610			10,396			10,693			10,860			11,119

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 7 PAGE NO. 3

SUDGET PROCURE	EMENT HISTO	ORY AND PL	ANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
				<u> </u>					February 20	05
. APPROPRIATION/BUDG	SET ACTIVITY		·		C. P-1 ITEM N	IOMENCLATURE	_		SUBHEAD	
ROCUREMENT OF	AMMUNITIC	ON, NAVY &	MARINE CORPS/	BA-1		scape Rockets/Catapults			J1Q9	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
09070 MK 122 Parach	nute Deploymer	nt Rkt Mtr (MT	29)							
FY 04 FY 05 FY 06 FY07	159 204 233 233	2,900.00 3,059.31 3,117.60 3,176.82	NAVICP NAVICP NAVICP NAVICP	Oct-03 TBD TBD TBD	C/FP C/FP C/FP	BF Goodrich, Phoenix, AZ UNKNOWN UNKNOWN UNKNOWN	MAY 04 APR 05 APR 06 APR 07	APR 05 APR 06 APR 07 APR 08	YES YES YES YES	
09080 MK 123 Unders	l seat Rkt Mtr (M	<u>T30)</u>								
FY 04	10	8,313.31	NAVICP	Oct-03	C/FP	Martin-Baker Aircraft, England	MAY 04	APR 05	YES	
FY 05	38	8,935.00	NAVICP	TBD	C/FP	UNKNOWN	APR 05	APR 06	YES	
FY 06	47	8,997.00	NAVICP	TBD	C/FP	UNKNOWN	APR 06	APR 07	YES	
FY 07	47	9,069.00	NAVICP	TBD	C/FP	UNKNOWN	APR 07	APR 08	YES	
09081 MK 124 Unders	eat Rkt Mtr (M7	<u>[31)</u>								
FY 04	50	8,313.31	NAVICP	Oct-03	C/FP	Martin-Baker Aircraft, England	MAY 04	APR 05	YES	
FY 05	50	8,935.00	NAVICP	TBD	C/FP	UNKNOWN	APR 05	APR 06	YES	
FY 06	97	8,997.00	NAVICP	TBD	C/FP	UNKNOWN	APR 06	APR 07	YES	
FY 07	97	9,069.00	NAVICP	TBD	C/FP	UNKNOWN	APR 07	APR 08	YES	

D. REMARKS

FY04 is the first fiscal year where the KU propellant contained within the devices was procured from Nobel Enterprises. Previously the propellant was procured from Royal Ordnance (has since gotten out of the KU propellant business). Indications from Nobel Enterprises is that we can expect an increase in the propellant cost, thus the significant projected increase in cost for the MK 122/123/124s in FY05 over FY04.

DD Form 2446-1, JUL 87

P-1 SHOPPING LIST

Classification:
UNCLASSIFIED

ITEM NO. 7 PAGE NO. 4

	BUD	GET ITE	M JUSTIF	ICATION S			DATE:					
			P-40						Fe	ebruary 20	05	
APPROPRIATION/BI	UDGET ACTIVITY	•					P-1 ITEM NO	MENCLATU	RE	(BLI 018200)	
PROCUREMENT OF	AMMUNITION, N	IAVY & N	MARINE COR	PS/BA-1 Nav	y Ammunitio	on	А	IRBORNE EX	PENDABLE	C/M PROGR	AM (S/H Y1Q	A)
Program Element for	Code B Items:					Other Relate	d Program El	ements				
RDT&E 0604270N												
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY												
COST (In Millions)	\$279.3		\$52.4	\$48.5	\$70.2	\$72.9	\$77.3	\$78.8	\$80.2	\$81.8	CONT	CONT

The Airborne Expendable Countermeasures (AECM) line provides funding for procurement of countermeasure self-protection devices for all Navy and Marine Corps tactical, rotary and other fixed-wing aircraft. The AECM Program is divided into the following threat related categories: (a) air-launched chaff, (b) Radio Frequency (RF) Active Jammers, (c) infrared (IR) decoys, (d) associated impulse cartridges, and (e) support costs. Procurement of 1x1 countermeasures in support of the C-130J began in FY 2001. These items are RR170A, operational chaff; RR188, training chaff, M206, magnesium fueled flare; MJU-50, pyrophoric decoy device and BBU35 impulse cartridge.

Chaff Countermeasures: Procurement of RR-129A operational round and RR-144A training rounds began in FY 2000 in support of all airframes except the USMC KC-130J which uses the 1x1 RR170A operational round and RR188 training round. Procurement of the training rounds are necessary because they do not interfere with Federal Aviation Administration (FAA) radars.

Active Jammers: The Advanced Airborne Expendable Decoy (AAED), part of the ALE-50 program, enters the final year of production during FY2006. The Fiber Optic Towed Decoy (FOTD) is part of the Integrated Defensive Electronic Countermeasure (IDECM) Radio Frequency Countermeasure (RFCM) program and is scheduled to replace the AAED. AAED and FOTD were developed under PE 0604270N RDT&E, Project E2175.

IR Decoys: The MJU-49 is currently used by all aircraft. The SM875 is a dedicated, low cost training device. Procurement of the ALE-39 advanced six-inch solution set (kinematic MJU57) and companion (MJU55) of expendables began in FY 2003.

Impulse Cartridges: Used to propel the self-protection devices away from the aircraft.

Support costs: Provide for required Production Engineering (PE), Product Improvement (PIP), Quality Assurance (QA), Acceptance Test and Evaluation (AT&E), and Integrated Logistic Support (ILS) by NAVAIR engineering/cognizant field activities.

Title IX funding: \$10M FY04 Supplemental Funds (PANMC 1741548/Y1AC) were added to the AECM Program to procure unique 1x1x8" infrared countermeasures in support of USMC KC130J aircraft. Marinized MJU61 magnesium fueled IRCM; Marinized MJU64 pyrophoric decoy device, BBU35 impulse cartridges and HERO safe CCU145A impulse cartridges will be procured during FY05 in support of this requirement. An estimated \$66K will be used to provide support.

P-1 SHOPPING LIST ITEM NO. 8 PAGE NO. 1

CLASSIFICATION:

	WEAPONS SYSTEM COST ANALYSI P-5	S				Weapon Sy	stem						DATE:	ebruary 200	15
PROCUE	PRIATION/BUDGET ACTIVITY REMENT OF AMMUNITION, NAVY & N Ammunition	MARINE (CORPS/BA-	1 Navy		ID Code	P-1 ITEM NOM			ABLE C/M PR	OGRAM (S/I	BLI (01820 H Y1QA)		Columny 200	
	Animumuon							TOTAL COST	IN THOUSA	NDS OF DOLI	_ARS				
COST	ELEMENT OF COST (BLI 018200)	ID Code	Prior Years*		FY 2004			FY 2005			FY 2006			FY 2007	
0021	(52.010200)		Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cos
	ACTIVE JAMMERS AAED (ALE-50)	A	27,992	311	20,666.00	6,427	400	22,450.00	8,980						
QA120	FOTD / IDECM	В	6,937							340	51,000.00	17,340	375	50,600.00	18,975
	<u>IR DECOYS</u> MJU-32/B ROTARY WING DECOY	А	16,403	28,490	38.76	1,104	39,039	29.10	1,136	48,061	30.28	1,455	29,335	30.89	906
	MJU-38/B TACAIR DECOY MJU-38/B TACAIR DECOY (IFF)	A A	14,511 1,257							13,130	33.00	433	2,000	33.50	67
	MJU-49/B DECOY DEVICE MJU-49/B DECOY DEVICE (IFF)	A A	24,002 1,674	46,900	115.39	5,412	90,000	134.83	12,135	106,850	137.53	14,695	106,634	140.28	14,959
QA260	SM875B (TRAINING FLARE)	Α	6,220	52,978	14.44	765	147,000	14.24	2,093	200,000	12.50	2,500	200,000	12.50	2,500
QA210	MJU-50 (1X1 Pyrophoric)	Α	1,205							43,000	68.00	2,924	43,000	68.00	2,924
QA200	MJU-52 BOL IR	Α	14,242												
QA225	MJU-55 Companion	Α		19,631	159.98	3,141				37,000	121.90	4,510	42,000	123.12	5,171
QA230	MJU-57 Kinematic	Α	910	15,000	314.93	4,724	25,000	284.08	7,102	37,000	182.30	6,745	42,000	184.13	7,733
	MJU-61 (Title IX)	Α		54,000	30.00	1,620									
	MJU-64 (Title IX)	Α		56,000	135.00	7,560									
QA235	M206 (1X1) Magnesium	А	343							40,000	23.50	940	40,000	24.00	960
QA090	IMPULSE CARTRIDGES CCU-136A/A (HERO SAFE) CCU-136A/A (HERO SAFE) (IFF)	A A	11,721 339	1,096,000	4.45	4,876	995,520	4.54	4,520	818,750	3.99	3,267	818,750	4.03	3,300
QA100	CCU-144A	А													
QA115	CCU-145A (Title IX in FY04)	Α		60,000	10.00	600				83,000	5.00	415	83,000	5.00	415
	PAGE TOTAL	1	127,756			36,229			35,966			55,224			57,910

^{*} FY95 through FY03 only

	WEAPONS SYSTEM COST ANALYS P-5	SIS				Weapon Sys	stem						F	DATE:	
	PRIATION/BUDGET ACTIVITY REMENT OF AMMUNITION, NAVY & Ammunition	MARINE	CORPS/BA-	1 Navy		ID Code	P-1 ITEM NO	MENCLATURE AIRBORN		ABLE C/M PR	OGRAM (S/H	BLI (018200	0)		
								TOTAL COST	IN THOUSA	NDS OF DOLL	_ARS				
COST	ELEMENT OF COST	ID Code	Prior Years*		FY 2004			FY 2005			FY 2006			FY 2007	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
QA060	IMPULSE CARTRIDGES CONT'D BBU-35 (Title IX)	А	250	42,000	3.67	154									
	CHAFF COUNTERMEASURES RR-129A CHAFF CM RR-129A CHAFF CM (IFF)	198,720	7.99	1,588				253,440	7.99	2,025	299,520	8.07	2,417		
QA020	RR-144A TRNG CHAFF									76,800	8.20	630	76,800	8.20	630
QA030	RR-170A CHAFF 1X1	А	73												
N/A	VARIOUS (1)		38,344												
QA830	SUPPORT COSTS PRODUCTION ENGINEERING PRODUCTION ENG (Title IX) PRODUCT IMPROVEMENT		28,674 40,083			3,797 66 5,489			3,699 2,755			3,849 2,575			3,849 2,600
QA860	ACCEPTANCE TEST & EVALUATION		24,385			3,475			5,347			5,152			4,811
QA800	ILS		3,638			747			719			719			719
	P5 GRAND TOTAL		279,343			52,362			48,486			70,174			72,936

^{*} FY95 through FY03 only

⁽¹⁾ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY 2002 and beyond.

		RUD	SET PROCUPE	MENT HISTORY AND PLA	ANNING EXI	HRIT (P-5A)	Weapon System		DATE		
			JETT KOCOKE	MENT HISTORY AND LE		` ,				ebruary 200	5
B. APPROPRIATI						C. P-1 ITEM NO		(BLI 018200)		SUBHEAD	
PROCUREMEN		ITION, NAVY 8	MARINE COR	PS		AIRBOR	NE EXPENDABLE C/M PROGRAM	VI		Y1	QA
BA-1 Navy Am	nunition	т т	UNIT		T	CONTRACT		1	DATE OF	SPECS	DATE
Cost Element/		QUANTITY	COST	LOCATION	RFP ISSUE	METHOD	CONTRACTOR	AWARD	FIRST	AVAILABLE	REVISIONS
FISCAL YEAR		Q0/111111	0001	OF PCO	DATE	& TYPE	AND LOCATION	DATE	DELIVERY	NOW	AVAILABLE
ACTIVE JAMM	ERS										
AAED (ALE-50)											
(DWCL)	FY 04	311	20,666.00	Robins AFB, GA	N/A	SS/Option	Raytheon, Goleta, CA	Apr-04	Jul-05	YES	
(DWCL)	FY 05	400	22,450.00	Robins AFB, GA	Jan-05	SS/FP	Raytheon, Goleta, CA	Mar-05	Aug-06	YES	
FOTD/IDECM											
(DWDQ)	FY 06	340	51,000.00	NAVAIR	Jan-04	SS/FP	BAE, Nashua, NH	Jun-06	Dec-07	NO	
(DWDQ)	FY 07	375	50,600.00	NAVAIR	Jan-05	SS/FP	BAE, Nashua, NH	Jun-07	May-08	NO	
INFRARED DEC	coys										
MJU-32/B ROT/		COY									
							Coachella, CA				
(LA01)	FY 04	28,490	38.76	NICP Mechanicsburg	Dec-03	C/FP	Kilgore, Toone, TN	Jun-04	Dec-04	YES	
(LA01)	FY 05	39,039	29.10	NICP Mechanicsburg	Dec-04	C/FP	Kilgore, Toone, TN	Nov-04	Dec-05	YES	
(LA01)	FY 06	48,061	30.28	NICP Mechanicsburg	Dec-05	C/FP	TBD	Jun-06	Dec-06	YES	
(LA01)	FY 07	29,335	30.89	NICP Mechanicsburg	Dec-06	C/FP	TBD	Jun-07	Dec-07	YES	
MJU-38/B TAC	AIR DECOY										
(LA02)	FY 06	13,130	33.00	NICP Mechanicsburg	Dec-05	C/FP	Milan, TN TBD	Jun-06	Dec-06	YES	
(LA02)	FY 07	2,000	33.50	NICP Mechanicsburg	Dec-06	C/FP	TBD	Jun-07	Dec-07	YES	
D. REMARKS								1			

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P-1 SHOPPING LIST ITEM NO. 8 PAGE NO. 4

		BUD	GET PROCUPI	EMENT HISTORY AND PLA	ANNING EXI	HIRIT (P.5A)	Weapon System		DATE		
			GLIFKOCOKI	INICIO I INICIO I AND FLA		, ,				ebruary 200)5
_	ON/BUDGET ACTI		MADINE COE	NDO.		C. P-1 ITEM NO		(BLI 018200)		SUBHEAD	0.4
	NT OF AMMUNIT	IION, NAVY	WARINE COR	(P5		AIRBOR	NE EXPENDABLE C/M PROGRAM	VI		Y1	QA
BA-1 Navy Am	munition		UNIT		1	CONTRACT		1	DATE OF	SPECS	DATE
Cost Element/		QUANTITY	COST	LOCATION	RFP ISSUE	METHOD	CONTRACTOR	AWARD	FIRST	AVAILABLE	REVISIONS
FISCAL YEAR	COVE (CONTID			OF PCO	DATE	& TYPE	AND LOCATION	DATE	DELIVERY	NOW	AVAILABLE
MJU-49/B DEC	COYS (CONT'D	2									
(DWCI)	FY 04	46,900	115.39	NSWC Crane, IN	Dec-03	SS/FP	Alloy, Chester Township, PA	May-04	Dec-04	YES	
(DWCI)	FY 05	90,000	134.83	NSWC Crane, IN	Dec-04	SS/FP	Alloy, Chester Township, PA	May-05	Nov-05	YES	
(DWCI)	FY 06	106,850	137.53	NICP Mechanicsburg, PA	Dec-05	SS/FP	Alloy, Chester Township, PA	Feb-06	Mar-06	YES	
(DWCI)	FY 07	106,634	140.28	NICP Mechanicsburg, PA	Oct-06	SS/FP	Alloy, Chester Township, PA	Dec-06	Jan-07	YES	
SM875B TRNG	FLARE										
(LA40)	FY 04	52,978	14.44	NICP Mechanicsburg, PA	Mar-04	C/FP	Kilgore, TN	Jul-04	Nov-04	YES	
(LA40)	FY 05	147,000	14.24	NICP Mechanicsburg, PA	Dec-04	C/FP	TBD	May-05	Nov-05	YES	
(LA40)	FY 06	200,000	12.50	NICP Mechanicsburg, PA	Jan-06	C/FP	TBD	May-06	Nov-06	YES	
(LA40)	FY 07	200,000	12.50	NICP Mechanicsburg, PA	Jan-07	C/FP	TBD	May-07	Nov-07	YES	
MJU-50 (1X1)											
(LA19)	FY 06	43,000	68.00	NICP Mechanicsburg, PA	Jan-06	SS/FP	Alloy, Chester Township, PA	May-06	Nov-06	YES	
(LA19)	FY 07	43,000	68.00	NICP Mechanicsburg, PA	Jan-07	SS/FP	Alloy, Chester Township, PA	May-07	Nov-07	YES	
MJU-55 Compa	inion										
(LA35)	FY 04	19,631	159.98	NSWC Crane, IN	Dec-03	C/FP	NSWC Crane/Crane Army, IN	Jan-04	Jan-05	YES	
(LA35)	FY 06	37,000	121.90	NICP Mechanicsburg, PA	Jan-06	C/FP	TBD	Apr-06	Jan-07	YES	
(LA35)	FY 07	42,000	123.12	NICP Mechanicsburg, PA	Jan-07	C/FP	TBD	May-07	Dec-07	YES	

^{*} ASTERISK DENOTES IRAQI FREEDOM FUNDS (IFF)

P-1 SHOPPING LIST ITEM NO. 8 PAGE NO. 5

		BIID	CET DECCLIE	EMENT HISTORY AND PLA	VNNING EAR	JIDIT (D.5A)	Weapon System		DATE		
			GET FROCORI	LINICINI TIISTORT AND FLA		` '				ebruary 200)5
B. APPROPRIATION			MADINE COL	ane.				(BLI 018200)		SUBHEAD	0.4
PROCUREMEN		IIION, NAVY 8	MARINE COR	(P5		AIRBOR	RNE EXPENDABLE C/M PROGRAM	l		Y 1	QA
BA-1 Navy Amr	numition		UNIT		I	CONTRACT	1		DATE OF	SPECS	DATE
Cost Element/		QUANTITY	COST	LOCATION	RFP ISSUE	METHOD	CONTRACTOR	AWARD	FIRST	AVAILABLE	REVISIONS
FISCAL YEAR				OF PCO	DATE	& TYPE	AND LOCATION	DATE	DELIVERY	NOW	AVAILABLE
INFRARED DEC	COYS (CONT'E	<u>))</u>									
MJU-57 Kinema		45.000	044.00	NOWO	D 00	0/50	NOMO O TO A IN	1. 04	1.104	VE0	
(LA38)	FY 04	15,000	314.93	NSWC Crane, IN	Dec-03	C/FP	NSWC Crane/Crane Army, IN	Jan-04	Jul-04	YES	
(LA38)	FY 05	25,000	284.08	NICP Mechanicsburg, PA	Dec-04	C/FP	NSWC Crane/Crane Army, IN	Nov-05	Aug-05	YES	
(LA38)	FY 06	37,000	182.30	NICP Mechanicsburg, PA	Jan-06	C/FP	TBD	May-06	Aug-06	YES	
(LA38)	FY 07	42,000	184.13	NICP Mechanicsburg, PA	Jan-07	C/FP	TBD	May-07	Dec-07	YES	
MJU-61 Mag/Te											
(LA42)**	FY04	54,000	30.00	NICP Mechanicsburg, PA	Jan-05	C/FP	TBD	Apr-05	Sep-05	YES	
MJU-64 (LA43)**	FY04	56,000	135.00	NICP Mechanicsburg, PA	Jan-05	SS/FP	Alloy, Chester Township, PA	Jan-05	Feb-05	YES	
M206 (L410)	FY 06	40,000	23.50	IOC Rock Island, IL	Jan-06	C/FP	TBD	May-06	Aug-06	YES	
(L410)	FY 07	40,000	24.00	IOC Rock Island, IL	Jan-07	C/FP	TBD	May-07	Aug-07	YES	
IMPULSE CART CCU-136A/A (H											
(WA83)	FY 04	1,096,000	4.45	NICP Mechanicsburg	Dec-03	C/FP	CAPCO, Grand Junction,CO Hanley Industries, Alton, IL	Jun-04	Sep-04	YES	
(WA83)	FY 05	995,520	4.54	NICP Mechanicsburg	Dec-04	C/FP	TBD	Jun-05	Sep-05	YES	
(WA83)	FY 06	818,750	3.99	NICP Mechanicsburg	Dec-05	C/FP	TBD	May-06	Sep-06	YES	
(WA83) CCU-145A (HEF	FY 07	818,750	4.03	NICP Mechanicsburg	Dec-06	C/FP	TBD	May-07	Sep-07	YES	
(WB24)**	FY 04	60,000	10.00	NICP Mechanicsburg	Apr-05	C/FP	Tech Ordnance, St. Boniface, MN	May-05	Nov-05	YES	
(WB24)	FY 06	83,000	5.00	NICP Mechanicsburg	Jan-06	C/FP	TBD	May-06	Oct-06	YES	
(WB24)	FY 07	83,000	5.00	NICP Mechanicsburg	Jan-07	C/FP	TBD	May-07	Oct-07	YES	
BBU-35 (MG62)**	FY04	42,000	3.67	NICP Mechanicsburg	Oct-04	C/FP	Tech Ordnance, St. Boniface, MN	Oct-04	May-05	YES	

** DOUBLE ASTERISK DENOTES TITLE IX FUNDS (FY04)

P-1 SHOPPING LIST ITEM NO. 8 PAGE NO. 6 CLASSIFICATION:

	BUDG	SET PROCURE	MENT HISTORY AND PL	ANNING EXI	HIBIT (P-5A)	Weapon System		DATE F	ebruary 200)5
B. APPROPRIATION/BUDGE PROCUREMENT OF AM BA-1 Navy Ammunition		MARINE COR	PS		C. P-1 ITEM NO AIRBOR	DMENCLATURE RNE EXPENDABLE C/M PROGRA	(BLI 018200) M		SUBHEAD	QA
Cost Element/ FISCAL YEAR CHAFF COUNTERMEAS	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
RR-129A CHAFF CM (DWCF) FY 04	198,720	7.99	NICP Mechanicsburg	Jan-04	C/FP	ARMTEC Defense Prod Co Coachella, CA	Oct-03	Dec-04	YES	
(DWCF) FY 06	253,440	7.99	NICP Mechanicsburg	Jan-06	C/FP	ARMTEC Defense Prod Co Coachella, CA	Apr-06	Dec-06	YES	
(DWCF) FY 07	299,520	8.07	NICP Mechanicsburg	Jan-07	C/FP	ARMTEC Defense Prod Co Coachella, CA	Apr-07	Dec-07	YES	
RR-144A TRNG CHAFF (DWCB) FY 04	98,315	8.31	NICP Mechanicsburg	Jan-04	C/FP	ARMTEC Defense Prod Co Coachella, CA	May-04	Dec-04	YES	
(DWCB) FY 06	76,800	8.20	NICP Mechanicsburg	Jan-06	C/FP	ARMTEC Defense Prod Co Coachella, CA	May-06	Dec-06	YES	
(DWCB) FY 07	76,800	8.20	NICP Mechanicsburg	Jan-07	C/FP	ARMTEC Defense Prod Co Coachella, CA	May-07	Dec-07	YES	
D. REMARKS				-L		1		1	l	L

D. REMARKS

P-1 SHOPPING LIST ITEM NO. 8 PAGE NO. 7 CLASSIFICATION:

OL/10011 10/111011. U140		-																												
FY 2004 BUDGET PRO	DUC.	TION S	SCHED	ULE,	P-21													DATE				Febr	ruary 2	005						
APPROPRIATION/BUDGET A	ACTIV	ITY												Weap	on Sys	tem		P-1 IT	EM NC	MENO	CLATU	RE					(BI	LI 018	200)	
PROCUREMENT OF AMMUN	NOITION	I, NAVY	& MAR	INE CO	RPS/B	A-1 Na	ıvy An	nmuni	ition										A	IRBO	RNE	EXPE	NDAB	LE C/	M PF	₹OGR	RAM (S	/H Y1	QA)	
							Pro	oductio	on Ra	ite								!				Leadtin							•	
		Ma	anufactu	rer's				1				А	LT Pri	or	A	LT Afte	er		Initial			Reorde	r					Ur	nit of	
Item		Nam	e and Lo	ocation		MS	SR	1-8	B- <u>5</u>	MA	١X	1	o Oct	1		Oct 1		N	∕lfg PL	Τ		Mfg PL	Τ		Total	ı	l	Mea	asure	
AAED (ALE-50)	Rayt	theon,	Goleta	, Ca		2	25	14	40	30	00					5			-			17			22				Е	
FOTD/IDECM			TBD			TE	3D	TE	3D	TB	BD.					5						17			22				Е	
MJU-49/B	Allov	y, Ches	ster To	wnshir	ı. PA	1.0	02	5.	76	11.	52					8						6			14				K	
MJU-57		ne Arm				TE	_		3D	TB						7						9			16				K	
10000	Oran	10 7 (1111	y / (() () ()	1011. 710	, , , , , , , , , , , , , , , , , , ,																	0			-10					
											FISCAL	YEAR :	2004								I		FISCAL YI	AR 200	5		<u> </u>			
ITEM / MANUFACTURER	F	s	Q	D	В		2003							CALEND	AR YEAR	2004										AR 2005	-			
	Υ	V	T Y	E	Α	0	N	D	J	F	M	Α	М	J	J	Α	S	0	N	D	J	F	M	A	М	J	J	Α	S	В
		С	Y	L	L	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	L
AAED ALE-50 (RAYTHEON)	03		300		300			_							40	40	40	50	50	50	27	3								0.0
AAED ALE-50 (RAYTHEON)	04		311		311							Α															40	40	40	191.0
AAED ALE-50 (RAYTHEON)	05		400		400																		Α							400.0
MJU-49/B (ALLOY)*	03		47.0		47.0										Α	3.8	3.8	3.8	10.0	12.0		1.6								0.0
MJU-49/B (ALLOY)	04		46.9		46.9								Α							2.0	2.0	12.4	14.0	14.0	2.5					0.0
MJU-49/B (ALLOY)	05		90.0		90.0																				Α		<u> </u>			90.0
MJU-57 (CAAA)	04	<u> </u>	15.0		15.0				Α						5.7	5.7	3.6										<u> </u>			0.0
MJU-57 (TBD)	05		25.0		25.0														Α									3.0	3.0	19.0
MJU-64 (TBD) **	04		56.0		56.0																Α	5.0	5.0	5.0		5.0	5.0	5.0	5.0	16.0
		ı		_							FISCAL	YEAR :										ı	FISCAL YI							_
ITEM / MANUFACTURER	F	S V	Q T	D E	B A	0	2005 N	D		F	М	Α	М	CALEND	AR YEAR	2006 A	S	0	N	D		F	М	CALEN	DAR YE	AR 2007		Α	S	В
	'	Č	Ý	Ĺ	Ĺ	C	0	E	A	E	Α	P	A	U	U	U	E	C	0	E	A	E	A	P	A	U	U	U	E	A
						T	V	С	N	В	R	R	Υ	N	L	G	Р	T	V	С	N	В	R	R	Υ	N	L	G	Р	
AAED ALE-50 (RAYTHEON)	04		311	120	191	40	40	40	40	31								=0												0.0
AAED ALE-50 (RAYTHEON) FOTD/IDECM	05	 	400 340		400 340									۸		50	50	50	50	50	50	50	50			-	-			0.0
FOTD/IDECM FOTD/IDECM	06 07		375		340									Α												Α	_	-		340.0 375.0
MJU-49/B (ALLOY)	05		90.0		90.0		16	16	16	16	10	10	6													_ A	 			0.0
MJU-49/B (ALLOY)	06		106.9		106.9		10	10	10				10.0	16.0	16.0	16.0	16.0	16.0	49							-	-	-		0.0
MJU-49/B (ALLOY)	07		106.6		106.6						0.0	0.0	10.0	10.0	10.0	10.0	10.0	10.0	7.3	Α	16	16	16	16	16	16	10.6			0.0
MJU-55	07		42.0		42.0																				A	10	10.0			42.0
MJU-57 (CAAA)	05		25.0	6.0	19.0	3.0	3.0	3.0	3.0	3.0	3.0	1.0																		0.0
MJU-57 (TBD)	06	1	37.0		37.0								Α			5.7	5.7	5.7	5.7	5.7	5.7	2.8					İ			0.0
MJU-57 (TBD)	07		42.0		42.0																				Α					42.0
MJU-64 (TBD)	04	1	56.0	40.0	16.0	5.0	5.0	5.0	1 0																					0.0

Remarks:

Second MJU-49 production line produced 3,846 rounds in 8/04 and will produce 3,846 during 9/04 & 10/04. In 11/04, the second line will produce 6,000 rounds.

^{*} DENOTES IRAQI FREEDOM FUNDS (IFF) ** DENOTES FY04 TITLE IX FUNDS

FY 2004/2005 BUDGET PROD			HEDU	ILE, P	-21													DATE			Feb	rua	ry 2	005						
APPROPRIATION/BUDGET AC													Wea	apon	Sy:	stem)		ITE											
PROCUREMENT OF AMI	רואטוז	TION	<u>,</u> ΝΑ\	/Y &	MAR	INE	CC	RP	<u>'S</u>													END	ABL	E C	/M PF	ROGI	RAM	(S/H	Y10	λA)
							Pro	duct	ion l	Rate	!				Pro	cure	mer	nt Le	adtii	nes										
			nufact										T P			_T A			Initia			eord						ι	Jnit (of
Item			and L		on		SR		8-5		AX	to	Oc	t 1		Oct	1	M	fg Pl	LT		fg P	LT		Tota	al		M	eası	ıre
AAED (ALE-50)	Rayth	neon,	Goleta	a, Ca			25		40		00					5						17			22				Е	
FOTD/IDECM			TBD				25		40		00					5						17			22				E	
MJU-49/B	Alloy	, Ches		wnsh	ip, PA		.02		76		.52					8						6			14				K	
MJU-57			TBD			TE	BD	TE	BD	TE	3D					7						9			16				K	
				_	_																									
									F	ISCAL	YEA	R 200										FIS	CAL \	YEAR	2009					1
ITEM / MANUFACTURER	F	S	Q	D -	В		2007				1	(CALE	NDAR	YEA	R 200	8	•	1			ı	CA	ALEN	DAR Y	EAR 2	009	1		_
	Υ	V C	T Y	E L	A L	0	N	D	J	F	М	Α	М	J	J	A	S	0	N	D	J	F	M	Α	M	J	J	A	S	B A
					_	C T	0 V	E C	A N	E B	A R	P R	A Y	N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	L
AAED ALE-50 (RAYTHEON)	03		0.0		0.0				-							Ť					Ė			H		1	Ħ		\vdash	0.0
AAED ALE-50 (RAYTHEON)	04		0.0		0.0																									0.0
AAED ALE-50 (RAYTHEON)	05		0.0		0.0																									0.0
FOTD/IDECM	06		340		340			60	60	60	60	60	40																	0.0
FOTD/IDECM	07		375		375								15	60	60	60	60	60	60											0.0
MJU-49/B (ALLOY)	07		0.0		0.0																									0.0
MJU-55	07		42.0		42.0			2	4	4	4	4	4	4	4	4	4	4												0.0
MJU-57 (NSWC Crane)	03		0.0		0.0																									0.0
MJU-57 (NSWC Crane)	04		0.0		0.0																									0.0
MJU-57 (CAAA)	05		0.0		0.0																									0.0
MJU-57 (TBD)	06		0.0		0.0																									0.0
MJU-57 (TBD)	07		42.0		42.0			2	4	4	4	4	4	4	4	4	4	4												0.0
										FISC	CAL Y	EAR	2010									FIS	CAL `	YEAR	2011					
ITEM / MANUFACTURER	F	S	Q	D	В		2009					(CALEI	NDAR	YEA	R 201	0						CA	ALEN	DAR Y	EAR 2	011			
	Υ	V C	T Y	E L	A	0	N	D	J	F	М	Α	М	J	J	Α	s	0	N	D	J	F	М	Α	М	J	J	Α	s	B A
		C	Y	L	L	C	0 V	E	A N	E B	A R	P R	A Y	U N	U	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	Ĺ
AAED ALE-50 (RAYTHEON)	04		0.0		0.0	H	v	U	IN .	٥	Λ.	^	<u> </u>	IN	-	G	r	H	٧	U	IN	0	N	I.	'	IN	┡	3	15	0.0
AAED ALE-50 (RAYTHEON) AAED ALE-50 (RAYTHEON)	05	1	0.0	1	0.0																						1		$\vdash\vdash$	0.0
FOTD/IDECM	06		0.0		0.0	1																		1			1		$\vdash\vdash$	0.0
MJU-49/B (ALLOY)	05		0.0		0.0																						1		\vdash	0.0
MJU-49/B (ALLOY)	06		0.0		0.0																								\vdash	0.0
MJU-57 (TBD)	05		0.0		0.0																								$\vdash \vdash$	0.0
MJU-57 (TBD)	06		0.0		0.0																								\vdash	0.0
11100 07 (100)	- 00		0.0		0.0																									0.0
Remarks:						-	1		-	1	l	-	1			1	1	-	1			l	1	-		1		1		1

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST CLASSIFICATION: UNCLASSIFIED

311/244 ITEM NO. 8 PAGE NO. 9 Exhibit P-21 Production Schedule

BUDGET ITEM	JUSTIFICAT	TION SHEE	Γ				DATE:					
	P-40									Febr	uary 2005	
APPROPRIATION/BUDGET ACTIVITY			P-1 ITEM N	OMENCLAT	URE		•					
PROCUREMENT OF AMMUNITION, NAVY & MARINE	CORPS, BA-1					JATO (JE	T ASSISTI	ED TAKE	OFF) BLI	019400		
Program Element for Code B Items:			Other Relate	ed Program	Elements							
	Prior	ID									To	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY												
COST												
(In Millions)	\$37.5	Α	\$4.4	\$4.5	\$4.6	\$4.7	\$4.8	\$4.8	\$4.9	\$5.0	Continuing	Continuning

Description: The JATOs currently in production are the MK 117 and MK 125. JATOs are relatively small solid propellant rocket motors used to assist aircraft during takeoff, and launch target drones and Remotely Piloted Vehicles (RPVs).

Intended use: Two MK 117s are used to launch one BQM 74C target. One MK 125 is used to launch the Pioneer RPV.

Product Improvement: Develop and qualify alternative hardware that will result in a lower cost.

P-1 SHOPPING LIST ITEM NO: 9 PAGE NO. 1

CLASSIFICATION:

BUDGET ITEM JUSTIFICA	ATION SHE		EGATED ITEM	IS			DATE:	Eab	ruary 2005	
APPROPRIATION/BUD					P-1 ITEM NO	MENCLATUR	 RF	rebi	Tuary 2005	
			DDC DA 4	Í			KE OFF) BLI 01940	n		
PROCUREMENT OF AMMUN	ID ID	Prior	RPS, BA-1		JATO (JET A	SSISTED TA	TEOFF) BLI019400)	То	
Procurement Items	Code	Years	FY2004	FY 2005	FY 2006	FY 2007			Complete	Total
MK 117 RKT MTR	A	10010	1 12001	1 1 2000	1 1 2000	1 1 2007			Complete	Total
Quantity	, ,	5442	587	433	402	732				
Funding		\$21,055	\$2,168	\$1,631	\$1,546	\$2,869			Cont.	Cont.
MK 125 RATO	Α							+		
Quantity		1725	297	383	418	170				
Funding		\$8,834	\$1,433	\$1,884	\$2,095	\$869			Cont.	Cont.
Other Costs		\$7,659	\$847	\$970	\$925	\$925			Cont.	Cont.
Total P-1 Funding		\$37,548	\$4,448	\$4,485	\$4,566	\$4,663			Cont.	Cont.
<u> </u>										
			_							
									CLASSIEICATION:	

CLASSIFICATION:

		BU	DGET ITEM JUST	TIFICATION	SHEET				DATE:			
			P-4	10						Februa	ry 2005	
APPROPRIATION/I	BUDGET ACTIV	ITY					P-1 ITEM NOI	MENCLATURE				
PROCUREMEN	T OF AMMUN	IITION, NAVY		5"/54 GUN AMMUNITION								
Program Element fo	or Code B Items:		Program Elen	nents								
SUBHEAD NO.	A1AC		BLIN: 0250	00								
	Prior	ID									То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY												
COST												
(In Millions)			\$12.7	\$19.7	\$25.9	\$22.5	\$23.2	\$23.8	\$24.4	\$25.1		

ITEM DESCRIPTION/JUSTIFICATION:

5"/54 ammunition is fired from cruiser and destroyer type of combatant ships against air, surface, and shore targets. Program procures three types of propelling charges, five types of high-explosive projectiles, two specialty projectiles, two pure training rounds and several ancillary rounds (dummy, gage and test). Program also supports newly developed multi-function fuze and multi-option fuze modernization.

PROCUREMENT: The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.

<u>PRODUCTION</u> <u>ENGINEERING</u>: Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering function which are integral to an item's manufacture.

P-1 SHOPPING LIST
ITEM NO. 10 PAGE NO. 1

CLASSIFICATION:

		BU	DGET ITEM JUST	IFICATION	SHEET				DATE:				
			P-4	10			February 2005						
APPROPRIATION/E	BUDGET ACTIV	ITY					P-1 ITEM NO	MENCLATURE			•		
PROCUREMEN [®]	T OF AMMUN	ITION, NAVY	5"/54 GUN AMMUNITION										
Program Element fo	or Code B Items:						Other Related	l Program Elen	nents				
SUBHEAD NO.	A1AC		BLIN: 0250	00									
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total	
QUANTITY													
COST (In Millions)			\$12.7	\$19.7	\$25.9	\$22.5	\$23.2	\$23.8	\$24.4	\$25.1			

CONTINUED:

PRODUCT IMPROVEMENT: The requested funds provide engineering services and related effort by the producing contractor or manufacturing installation to extend the useful military life of an item or to improve the item within the current performance envelope. Typically, such improvements take advantage of newly developed materials, progress in the state-of-the-art, improved design and other technical advances to provide improved safety, reduced environmental impact, improved reliability/maintainability/availability, decreased cost, and/or correction of deficiencies exclusive of contractual specifications.

RENOVATION COMPONENTS: The items purchased with funds identified for renovation components will be used to upgrade unserviceable rounds to ready-for-issue condition. The rounds to be renovated will be those with the lowest asset readiness positions.

GAUGE: These funds are required to procure the gauges and test equipments necessary to check critical dimensions/parameters of ammunition items and their parts. This is to assure proper mating of parts and subassemblies, assure correct interfacing between the ammunition and guns, and proper ammunition performance.

NON-STANDARD ITEMS: The non-standard line is to support procurement of ammunition training aids and initial procurements of required non type classified munition items.

All ammo procured with these funds is procured through the Single Manager Conventional Ammunition (SMCA) and the most recent SMCA standard/non-standard price list has been used in pricing the ammo.

P-1 SHOPPING LIST ITEM NO. 10 PAGE NO. 2

CLASSIFICATION:

	WEAPONS SYSTE		NALYSIS			Weapon Syst	em							DATE:	
	RIATION/BUDGET ACTIVITY EMENT OF AMMUNITION, NAVY & N	P-5 IARINE CO	RPS/BA 1			ID Code 025000	P-1 ITEM NOI 5"/54 GUN SUBHEAD	AMMUNITIC						Februa	ary 2005
			TOTAL COST	Γ IN THOUSAN	NDS OF DOLL	ARS	100-11-11								
COST	ELEMENT OF COST	ID Code	Prior Years		FY 2004			FY 2005			FY 2006			FY 2007	
0022		0000	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	5"/54 AMMUNITION COMPONENTS 5"/54 CHG, PROP, FULL, MK 67, 5"/54 PROJ, BLP/T 5"/54 PROJ, MULTI OPTION FUZE PE/QA SMCA	D326 D349 MOFN		11,037 18,000	211.81 234.15			573.96 303.64	5,596 5,466	26,286 20,976	591.99 283.39	15,561 5,944 8	12,090 18,864 5,808	618.41 288.73 915.48	7,477 5,447 5,317
AC893 AC894	PRODUCTION ENGINEERING PRODUCT IMPROVEMENT RENOVATION COMPONENTS GAUGE REQUIREMENTS NON-STANDARD					2,004 3,254 498 353			1,851 3,132 3,080 425 110			1,897 1,000 876 450 187			1,960 1,000 627 475 161
SUBTOTA	LL (PAGE 1 OF P5)					12,672			19,673			25,923			22,472

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 10 PAGE 3

		A. DATE		Weapon System		(P-5A)	PLANNING EXHIBIT	RY AND P	ENT HISTO	BUDGET PROCUREM
	February 20				_					
	SUBHEAD				C. P-1 ITEM NON					3. APPROPRIATION/BUDGET
A1AC	A1				5"/54 GUN A	A 1	& MARINE CORPS/E	N, NAVY 8	MMUNITIO	PROCUREMENT OF A
DECO. DATE	00500	DATE OF		0	BLIN: 02500		1		T T	
ILABLE REVISION	SPECS AVAILABLE NOW	DATE OF FIRST DELIVERY	AWARD DATE	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	RFP ISSUE DATE	LOCATION OF PCO	UNIT COST	QUANTITY	Cost Element/ FISCAL YEAR
										AC100
									NENTS	5"/54 AMMUNITION COMPO
								AL D326	K 67, UNIVERS	5"/54 CHG, PROP, FULL, MI
/ES	YES	Jan-06	Mar-04	MCALESTER AAP	MIPR	Oct-03	JMC ROCK ISLAND	211.81	11037	FY 2004
/ES	YES	Jan-07	Mar-05	UNKNOWN	MIPR	Oct-04	JMC ROCK ISLAND	573.96	9750	FY 2005
NO Jul-05	NO	Jan-08	Mar-06	UNKNOWN	MIPR	Oct-05	JMC ROCK ISLAND	591.99	26286	FY 2006
NO Jul-06	NO	Jan-09	Mar-07	UNKNOWN	MIPR	Oct-06	JMC ROCK ISLAND	618.41	12090	FY 2007
										5"/54 PROJ, BLP/T D349
/ES	YES	Dec-05	Jan-04	CRANE AAA	MIPR	Oct-03	JMC ROCK ISLAND	234.15	18000	FY 2004
/ES	YES	Feb-07	Mar-05	UNKNOWN	MIPR	Oct-04	JMC ROCK ISLAND	303.64	18000	FY 2005
NO Jul-05	NO	Feb-08	Mar-06	UNKNOWN	MIPR	Oct-05	JMC ROCK ISLAND	283.39	20976	FY 2006
NO Jul-06	NO	Feb-09	Mar-07	UNKNOWN	MIPR	Oct-06	JMC ROCK ISLAND	288.73	18864	FY 2007
								MOFN	 FUZE - NAVY	5"/54 PROJ, MULTI OPTION
NO Jul-06	NO	Jan-09	Feb-07	UNKNOWN	CONTRACT	Oct-06	NSWC CRANE	915.48	5808	FY 2007
										D DEMARKS
										J. KEMAKKS
								able GFM.	priced with avail	D. REMARKS NOTE: All items shown are p

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

ITEM NO. 10 PAGE NO. 4

							Des dusties Cale	4.32		ID-t-	
Approp							Production Sche	auie		Date	
Procur	ement Ammunition Navy	& Ma	rine	Cor	ps					February 2005	
Budge	t Activity							P-1 Item	_	Subhead	
1 Navy	/ Ammunition							5"/54 GUN AMMUNITION		A1AC	
			U	s		Oct 1	Fiscal Year 2005	Fiscal Year 2006	_	Fiscal Year 2007	
Cost Code	Item/Mfr	Prg Yr	/	e r	Prog Qty	Acc Bal	al CY 04 Calendar Year 2005	Calendar Year 2006		Calendar Year 2007	Later
		'''	М	v		Prior Due	Je Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep	Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep	Oct Nov Dec Jai	n Feb Mar Apr May Jun Jul Aug Sep	
						FY 05 FY 05					
AC100	D326 - 5"/54 CHG, PROP, FUL	L, MK 6	7, UN	IVER	RSAL						
	MCALESTER AAP	04	K	Ν	11.0	11.0	.0	6.0 5.0			
	UNKNOWN	05	K	Ν	9.8	9.8	8		9.8	8	
	UNKNOWN	06	K	N	26.3	26.3	3.3				26.3
	UNKNOWN	07	K	N	12.1	12.1	.1				12.1
	TOTALS				110.2	59.2	0.2	6.0 5.0	9.8	8	38.4

	Prod	duction Rates		Decebed
Manufacture's Name and Location	Min Sust.	1-8-5	Max	Reached D+
MCALESTER AAP	7500	25000	50000	
UNKNOWN	7500	25000	50000	

Procurem	ent Lead ⁻	Time					
	Admin L	ead Time	Manu-	Total			
	Prior	After	facturing	After			
	1-Oct	1-Oct	time	1-Oct			
Initial	5	5	22	27			
Reorder (Previous Source)	5	5	22	27			
Р	P-1 Item Shopping List Item						
		10		5			

Remarks:			

Appro	priation											Produ	ıction											Date				
Procu	rement Ammunition Navy	/ & M	arine	e Co	rps																				Fe	ebruary :	2005	
Budge	et Activity														P-1 I	tem N	Nomencla	ture							Subh			
	y Ammunition														5"/54	GUN	I AMMUN	ITION							A1AC	;		
			l ,,	s		Oc	t 1			Fiscal Ye	ear 2008						Fiscal Yea	r 2009						Fiscal Y	ear 2010			
Cost Code	Item/Mfr	Prg Yr	U / M	e r	Prog Qty	Acc	Bal	CY 07			Cale	endar Year 2	2008					Ca	lendar Y	ear 2009					Calenda	r Year 2010		Later
0000		"	M	v	۵.,	Prior	Due	Oct Nov Dec	Jan	Feb Ma	ar Apr Ma	lay Jun Ju	ul Aug Se	p Oct N	lov Dec	Jan	Feb Mar	Apr N	Лау Ju	n Jul Au	ıg Sep	Oct Nov [Dec Jan	Feb M	ar Apr	May Jun J	ul Aug S	Sep
		_			•	FY 08	FY 08			<u> </u>																		
AC100	D326 - 5"/54 CHG, PROP, FULI	L, MK 6	37, UN	IIVER	SAL																							
	MCALESTER AAP	04	K	N	11.0	11.0																						
	UNKNOWN	05	K	N	9.8	9.8																						
	UNKNOWN	06	K	N	26.3		26.3		25.0	1.3																		
	UNKNOWN	07	K	N	12.1		12.1									12.1												
	TOTALS				59.2	20.8	38.4		25.0	1.3						12.1												

	Pi	oduction Rate	es	Daaahad
Manufacture's Name and Location	Min Sust.	1-8-5	Max	Reached D+
MCALESTER AAP	7500	25000	50000	
UNKNOWN	7500	25000	50000	

Procureme	nt Lead T	ïme							
	Admin L	ead Time	Manu-	Total					
	Prior	After	facturing	After					
	1-Oct	1-Oct	time	1-Oct					
Initial	5	5	22	27					
Reorder (Previous Source)	rder (Previous Source) 5 5 22								
P	-1 Item Sh	opping Li	st Item I	Page No					

Remarks:		

iation							Production					Date			
	y & Ma	arine	Corp	os										February 2005	
Activity								P-1	Item	Nomenclature				Subhead	
Ammunition								5"/5	4 GU	JN AMMUNITION				A1AC	
					Oct 1		Fiscal Year 2005	_		Fiscal Year 2006		Fis	cal Year 2	2007	1
Item/Mfr		1 / 1	e r	Prog Otv	Acc Bal	CY 04	Calendar Year 2005	•		Calendar Year 2006				Calendar Year 2007	Later
	'	M	v	,	Prior Due	Oct Nov Dec	Jan Feb Mar Apr May Jun Jul Aug Se	Oct Nov De	c J	Jan Feb Mar Apr May Jun Jul Aug Sep	Oct Nov Dec Ja	n Feb	Mar	Apr May Jun Jul Aug Se	p
					FY 05 FY 05										
349 - 5"/54 PROJ, BLP/T															
RANE AAA	04	K	N	18.0	18.0			14.	9 3	3.1					
INKNOWN	05	K	N	18.0	18.0							14.9	3.1		
INKNOWN	06	K	N	21.0	21.0										21.0
INKNOWN	07	K	N	18.9	18.9										18.9
OTALS				75.9	75.9			14.	9 3	3.1		14.9	3.1		39.8
	ment Ammunition Nav Activity Ammunition Item/Mfr 349 - 5*/54 PROJ, BLP/T RANE AAA NKNOWN NKNOWN	Ment Ammunition Navy & Metal	Name	Marine Correction Marine Correction	Marine Corps	Name	Activity Ammunition Navy & Marine Corps	Activity Armunition Navy & Marine Corps Activity Armunition Prg V V Nav Pros P	Part Part	P-1	P-1	Part Part	P-1	P-1	The internation Navy & Marking Nav

		Production Rates		Reached
Manufacture's Name and Location	Min Sust.	1-8-5	Max	D+
CRANE AAA	7432	14860	41620	
UNKNOWN	7432	14860	41620	

Procuremer	nt Lead Tir	ne		
	Admin L	ead Time	Manu-	Total
	Prior	After	facturing	After
	1-Oct	1-Oct	time	1-Oct
Initial	5	5	23	28
Reorder (Previous Source)	5	5	23	28
P	-1 Item Sh	nopping Li	st Item N	Page No
		10		7

	<u> </u>		
Prior	After	facturing	After
1-Oct	1-Oct	time	1-Oct
5	5	23	28
5	5	23	28
Item Sh	opping Li	st Item N	Page No
	10		7

Remarks:

Approp	oriation													Produ	uction														Da	te					
Procur	ement Ammunition Nav	vy & N	1arine	e Co	rps																										Fe	ebrua	ry 2005	5	
	t Activity																	P-1 It	tem No	meno	clatur	е									Subh	ead			
1 Navy	Ammunition																	5"/54	GUN A	MML	UNITI	ION									A1AC	;			
			U	S	Prog	0	ct 1				Fisc	al Year :	2008							Fiscal '	Year 2	2009							Fis	cal Yea	2010				
Cost Code	Item/Mfr	Prg Yr	U / М	e r	Prog Qty	Acc	Bal	CY	′ 07				Calen	ndar Year	2008							С	alendar	Year 200	09						Calenda	r Year 2	010		Later
			М	v	,	Prior	Due	Oct N	ov Dec	Jan	Feb	Mar	Apr May	y Jun J	lul Aug	Sep 0	Oct Nov	Dec	Jan Fe	eb l	Mar	Apr	May J	un Jul	Aug S	Sep Oc	t Nov	Dec	Jan Fel	b Mar	Apr I	May Ju	n Jul Au	ıg Sep	
						FY 08	FY 08																												
AC100	D349 - 5"/54 PROJ, BLP/T																																		
	CRANE AAA	04	K	Ν	18.0	18.0																													
	UNKNOWN	05	K	N	18.0	18.0																													
	UNKNOWN	06	K	N	21.0		21.0				14.9	6.1																							
	UNKNOWN	07	K	N	18.9		18.9												14	.9	4.0														
	TOTALS				75.9	36.0	39.9				14.9	6.1							14	.9	4.0														

	Pr	s	Reached	
Manufacture's Name and Location	Min Sust.	1-8-5	Max	D+
CRANE AAA	7432	14860	41620	
UNKNOWN	7432	14860	41620	

Procure	ment Lead Ti	me							
	Admin Lead Time Manu-								
	Prior	After	facturing	After					
	1-Oct	1-Oct	time	1-Oct					
Initial	5	5	23	28					
Reorder (Previous Source)	5	5	23	28					
	P-1 Item Shop	ping List	Item No	Page No					
		10		8					

Remarks:

Appro	priation												Prod	duction	Sched	lule												Date						_
	rement Ammunition Navy	& Ma	rine	Corp	s																								Fe	ebru	ary 20	005		
Budge	et Activity																P-1	Item No	omencla	ature									Subh					
1 Nav	y Ammunition																5"/5	4 GUN	IUMMA	NITIO	N								A1AC	;				
			U	S	Pro _	Oct	1			Fiscal Y	Year 200	08							Fiscal Ye	ear 200	9						F	iscal Ye	ar 2010					
Cost Code	Item/Mfr	Prg Yr	/ M	e	g Qty	Acc	Bal	CY 07				Calend	dar Yea	ar 2008							Calen	dar Yea	ır 2009						Calenda				Late	r
			IVI	v (Qly	Prior	Due	Oct Nov De	c Jan	Feb N	Mar Ap	or May	Jun	Jul Au	g Sep	Oct N	ov Dec	Jan	Feb Ma	ar Ap	or May	Jun	Jul Aug	Sep	Oct No	ov Dec	Jan	eb Ma	r Apr	May .	Jun Jul	Aug S	ер	
_						FY 08	FY 08																											
AC100	MOFN - 5"/54 PROJ, MULTI OF	TION	FUZE	- NAVY	1																													
	UNKNOWN	06	K	N	0.0																													
	UNKNOWN	07	K	N	5.8		5.8											5.8																
	TOTALS				5.8		5.8											5.8																

	Pro		Reached	
Manufacture's Name and Location	Min Sust.	1-8-5	Max	D+
UNKNOWN				

Procureme	ent Lead T	ime		
	Admin L	ead Time	Manu-	Total
	Prior	After	facturing	After
	1-Oct	1-Oct	time	1-Oct
Initial	4	4	23	27
Reorder (Previous Source)	4	4	23	27
F	-1 Item Sh	nopping Li	st Item N	Page No

Prior	After	facturing	After
1-Oct	1-Oct	time	1-Oct
4	4	23	27
4	4	23	27
Item Shopping List Item N Page No			
10 9			

Remarks:

		DATE:												
P-40								February 2005						
APPROPRIATION/BUDGET ACTIVITY								P-1 ITEM NOMENCLATURE						
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1								EXTENDED RANGE MUNITION (ERM)						
Program Element for Code B Items:								Other Related Program Elements						
SUBHEAD NO. A1AK			BLIN: 025300											
	Prior	ID									То			
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total		
QUANTITY														
COST														
(In Millions)	\$28.0		\$2.9	\$0.5	\$0.0	\$0.0	\$0.0	\$0.0	\$69.8	\$124.4				

ITEM DESCRIPTION/JUSTIFICATION:

The Extended Range Munition (ERM) is a key element in providing a near term Naval Surface Fire Support (NSFS) capability. The NSFS mission is to support the U.S. and allied assault landing forces through increased range and accuracy.

PROCUREMENT: The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.

<u>PRODUCTION</u> <u>ENGINEERING</u>: Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering function which are integral to an item's manufacture.

P-1 SHOPPING LIST
ITEM NO. 11 PAGE NO. 1

CLASSIFICATION:

	DATE:													
P-40								February 2005						
APPROPRIATION/BUDGET ACTIVITY								P-1 ITEM NOMENCLATURE						
PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1								EXTENDED RANGE MUNITION (ERM)						
Program Element for Code B Items:								Other Related Program Elements						
SUBHEAD NO. A1AK			BLIN: 0253	BLIN: 025300										
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total		
QUANTITY														
COST (In Millions)	\$28.0		\$2.9	\$0.5	\$0.0	\$0.0	\$0.0	\$0.0	\$69.8	\$124.4				

CONTINUED:

PRODUCT IMPROVEMENT: The requested funds provide engineering services and related effort by the producing contractor or manufacturing installation to extend the useful military life of an item or to improve the item within the current performance envelope. Typically, such improvements take advantage of newly developed materials, progress in the state-of-the-art, improved design and other technical advances to provide improved safety, reduced environmental impact, improved reliability/maintainability/availability, decreased cost, and/or correction of deficiencies exclusive of contractual specifications.

RENOVATION COMPONENTS: The items purchased with funds identified for renovation components will be used to upgrade unserviceable rounds to ready-for-issue condition. The rounds to be renovated will be those with the lowest asset readiness positions.

GAUGE: These funds are required to procure the gauges and test equipments necessary to check critical dimensions/parameters of ammunition items and their parts. This is to assure proper mating of parts and subassemblies, assure correct interfacing between the ammunition and guns, and proper ammunition performance.

NON-STANDARD ITEMS: The non-standard line is to support procurement of ammunition training aids and initial procurements of required non type classified munition items.

All ammo procured with these funds is procured through the Navy.

P-1 SHOPPING LIST ITEM NO. 11 PAGE NO. 2

CLASSIFICATION:

	WEAPONS SYSTEM (COST A	NALYSIS			Weapon Syste	em							DATE:	
	P-5													Februa	ary 2005
	RIATION/BUDGET ACTIVITY EMENT OF AMMUNITION, NAVY & MAR	INE CO	RPS/BA 1			025300			SUBHEAD UNITION (ER	RM)					
			TOTAL COS	T IN THOUSA	NDS OF DOLL	ARS									
COST CODE	ELEMENT OF COST	ID Code	Prior Years	0	FY 2004			FY 2005			FY 2006	T	0 111	FY 2007	T. 10
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
		DWDC HDUM IBST	1,600 53 2,756	384 10 96	1953.12 5000.00 7906.25	750 50 759									
AK850 AK893 AK894 AK895	PRODUCTION ENGINEERING PRODUCT IMPROVEMENT RENOVATION COMPONENTS GAUGE REQUIREMENTS NON-STANDARD		5,296 18,264			1,344			498						
SUBTOTA	L (PAGE 1 OF P5)		27,969			2,903			498			0			O

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

BUDGET PROCUREM	ENT HISTO	RY AND F	PLANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
									February 20	05
B. APPROPRIATION/BUDGET					C. P-1 ITEM NO				SUBHEAD	
PROCUREMENT OF A	MMUNITIO	N, NAVY	& MARINE CORPS/	3A 1		RANGE MUNITION (EF	RM)		A1	AK
					BLIN: 02530	0				
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION		FIRST	AVAILABLE	DATE REVISIONS AVAILABLE
AK100										
AMMUNITION COMPONENT CHG, PROPELLING EX-167	DWDC	4050 40		0.100			555.04	400.05	\	
FY 2004	384	1953.12	NSWC INDIAN HEAD	Oct-03	WX	NSWC INDIAN HEAD	FEB-04	APR-05	YES	
HANDLING CYCLE DUMMY FY 2004	ROUND HDUI		NSWC DAHLGREN	Oct-03	CONTRACT	UNKNOWN	FEB-05	OCT-05	YES	
INTERNAL BALLISTICS SIM										
FY 2004	96	7906.25	NSWC DAHLGREN	Oct-03	CONTRACT	UNKNOWN	FEB-05	OCT-05	YES	
D. DEMARKO										

D. REMARKS

Note: All items shown are priced with available GFM.

Note: Location of PCO and contractor are both NSWC Indian Head because work will be performed in-house. No contracts will be awarded.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

ITEM NO. 11 PAGE NO. 4

Appro	priation									Product	tion Schedule									Date	Э				
Procu	rement Ammunition Na	avy & Ma	arine C	orps																		Februa	ary 2005		
Budge	et Activity											P	P-1 Item	Nomenclat	ture					•	Sı	ubhead No.			
1 Nav	y Ammunition											E	XTEND	ED RANGI	E MUNITI	ON (ERM)				A1	IAK		_	
			U :	s _	Od	ct 1		Fisca	al Year 2004					Fiscal Yea	ar 2005					Fis	scal Year 200	16			
Cost Code	Item/Mfr	Prg Yr	U / M	S Prog	Acc	Bal	CY 03			Calendar Year 2	004				С	alendar Year	2005				Ca	alendar Year 20	06		Later
			IVI	v	Prior	Due	Oct Nov Dec	Jan Feb	Mar Apr	May Jun	Jul Aug Sep	Oct Nov I	Dec Jan	Feb Ma	r Apr N	May Jun	Jul Aug	Sep Oct	Nov Dec	Jan Feb	Mar A	pr May Ju	un Jul Au	g Sep	
					FY 04	FY 04																			
AK100	DWDC - CHG, PROPELLING	G EX-167																							
	UNKNOWN	04	EA	N 384		384									384										
	TOTALS			384		384									384										

	F	Decelor		
Manufacture's Name and Location	Min Sust.	1-8-5	Max	Reached D+
UNKNOWN	18000	27000	76000	

Procure	ment Lead T	ime		
	Admin L	ead Time	Manu-	Total
	Prior	After	facturing	After
	1-Oct	1-Oct	time	1-Oct
Initial	5	5	22	27
Reorder (Previous Source)	5	5	22	27
	P-1 Item S	Shopping Li	ist Item No	Page No
		5		

emarks	:						
	emarks	emarks:	lemarks:	.emarks:	.emarks:	.emarks:	remarks:

Approp	oriation											Prod	luction Sc	chedule									Date)				
Procur	ement Ammunition N	lavy & Ma	arine	Corps												_										ary 200	5	
Budge	t Activity															P-1 Ite	m Nomen	clature							Subhead No.			
1 Navy	/ Ammunition															EXTE	NDED RAI	NGE MUN	ITION (ER	M)					A1AK			
			U	S P	r O	ct 1			F	Fiscal Year	r 2004						Fisca	l Year 2005					Fisc	al Year	2006			
Cost Code	Item/Mfr	Prg Yr	/ M	e og	Acc	Bal	CY	03			(Calendar Yea	ar 2004						Calendar Y	ear 2005					Calendar Year 2	006		Later
			IVI	v Qi	Prior	Due	Oct No	ov Dec	Jan Fe	eb Mar	Apr I	May Jun	Jul A	Aug Sep	Oct No	v Dec	Jan Feb	Mar Apr	May Jur	n Jul	Aug Sep	Oct Nov Dec	Jan Feb	Mar	Apr May J	lun Jul	Aug Se	р
					FY 04	FY 04																						
AK100	HDUM - HANDLING CYCL	E DUMMY	ROUN	D																								
	UNKNOWN	04	EA	N 1)	10									10													
	TOTALS			1)	10									10													

		3	Reached	
Manufacture's Name and Location	Min Sust.	1-8-5	Max	D+
UNKNOWN				

Procuren	nent Lead T	ïme		
	Admin L	ead Time	Manu-	Total
	Prior	After	facturing	After
	1-Oct	1-Oct	time	1-Oct
Initial	2	2	10	12
Reorder (Previous Source)	2	2	10	12
•	P-1 Item S	st Item No	Page No	
		11		6

Remarks:

Approp	oriation									Product	ion Schedule								Date			
Procur	ement Ammunition N	Navy & Mari	ne Co	orps																Febr	uary 2005	i
Budge	t Activity											P-1	Item Nomencla	ature						Subhead N	0.	
1 Navy	/ Ammunition											EX	TENDED RANG	GE MUNIT	TION (ERM)					A1AK		
			u s			ct 1		Fisca	al Year 2004				Fiscal Y	ear 2005					Fiscal Ye	ar 2006		
Cost Code	Item/Mfr	Prg	, e	Prog	Acc	Bal	CY 03			Calendar Year 20	004	-		(Calendar Year 20	105				Calendar Year	2006	Late
			M v	,	Prior	Due	Oct Nov Dec	Jan Feb	Mar Apr	May Jun	Jul Aug Sep	Oct Nov De	Jan Feb M	/lar Apr	May Jun J	ul Aug Sep	Oct Nov	Dec	Jan Feb Ma	ar Apr May	Jun Jul	Aug Sep
<u> </u>					FY 04	FY 04																
AK100	IBST -INTERNAL BALLIST	TICS SIMULATO	OR TES	T																		
	UNKNOWN	04 E	A N	96		96						96										
	TOTALS			96		96						96										
1																						

	F		Reached	
Manufacture's Name and Location	Min Sust.	1-8-5	Max	D+
UNKNOWN				

Procuren	nent Lead T	ime		
	Admin L	ead Time	Manu-	Total
	Prior	After	facturing	After
	1-Oct	1-Oct	time	1-Oct
Initial	2	2	10	12
Reorder (Previous Source)	2	2	10	12
	P-1 Item S	Shopping Li	ist Item No	Page No
		11	•	7

Remarks:	

			BUDGET ITEM JUST	TFICATION	SHEET				DATE:			
			P-4	0						Februa	ry 2005	
APPROPRIATION/BUD	GET ACTIVI	TY					P-1 ITEM NO	MENCLATURE				
PROCUREMENT O	F AMMUN	ITION, N	AVY & MARINE CORP	S/BA 1				7	6MM GUN A	OITINUMMA	N	
Program Element for Co	ode B Items:						Other Related	Program Elen	nents			
SUBHEAD NO. A1/	٩F		BLIN: 0265	00								
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY												
COST (In Millions)			\$1.2	\$1.1								

ITEM DESCRIPTION/JUSTIFICATION:

The 76MM caliber cartridge is a fixed round of ammunition for use in the MK 75 gun mount. Navy's primary use is against air targets, but it may be used against surface and short targets. United States Coast Guard's (USCG) primary use is drug interdiction, homeland defense, and Visit, Board, Search and Seize (VBSS). The weapon system, the MK 75 gun mount and MK 92 fire control system, has been designated for use on guided missile frigates (FFG), and USCG high endurance and medium cutters. Program procures three types of high-explosive projectiles, two pure training rounds and several ancillary rounds (dummy, gage and test).

PROCUREMENT: The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.

<u>PRODUCTION</u> <u>ENGINEERING</u>: Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering function which are integral to an item's manufacture.

NOTE: Program transferred in FY06 to PANMC BLIN: 0266000 Intermediate Caliber Ammunition

P-1 SHOPPING LIST ITEM NO. 12 PAGE NO. 1

CLASSIFICATION:

		BU	DGET ITEM JUST	TIFICATION	SHEET				DATE:			
			P-4	10						Februa	ry 2005	
APPROPRIATION/I	BUDGET ACTIV	ITY					P-1 ITEM NO	MENCLATURE			•	
PROCUREMEN	T OF AMMUN	ITION, NAVY	& MARINE CORF	PS/BA 1				7	6MM GUN	OITINUMMA	N	
Program Element fo	ram Element for Code B Items: Other Related Program Elements											
SUBHEAD NO.	A1AF		BLIN: 0265	00								
	IO. A1AF Prior ID										То	
			FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY												
COST (In Millions)			\$1.2	\$1.1								

CONTINUED:

PRODUCT IMPROVEMENT: The requested funds provide engineering services and related effort by the producing contractor or manufacturing installation to extend the useful military life of an item or to improve the item within the current performance envelope. Typically, such improvements take advantage of newly developed materials, progress in the state-of-the-art, improved design and other technical advances to provide improved safety, reduced environmental impact, improved reliability/maintainability/availability, decreased cost, and/or correction of deficiencies exclusive of contractual specifications.

RENOVATION COMPONENTS: The items purchased with funds identified for renovation components will be used to upgrade unserviceable rounds to ready-for-issue condition. The rounds to be renovated will be those with the lowest asset readiness positions.

<u>GAUGE:</u> These funds are required to procure the gauges and test equipments necessary to check critical dimensions/parameters of ammunition items and their parts. This is to assure proper mating of parts and subassemblies, assure correct interfacing between the ammunition and guns, and proper ammunition performance.

NON-STANDARD ITEMS: The non-standard line is to support procurement of ammunition training aids and initial procurements of required non type classified munition items.

All ammo procured with these funds is procured through the Single Manager Conventional Ammunition (SMCA) and the most recent SMCA standard/non-standard price list has been used in pricing the ammo.

P-1 SHOPPING LIST
ITEM NO. 12 PAGE NO. 2

CLASSIFICATION:

	WEAPONS SYSTEM		NALYSIS			Weapon Syst	em							DATE:	ary 2005
	PRIATION/BUDGET ACTIVITY EMENT OF AMMUNITION, NAVY & MA		RPS/BA 1			ID Code 026500	P-1 ITEM NO 76MM GUN SUBHEAD	I AMMUNITI						Febru	ary 2003
			TOTAL COS	T IN THOUSA	NDS OF DOLL	ARS									
COST	ELEMENT OF COST	ID Code	Prior Years		FY 2004			FY 2005			FY 2006			FY 2007	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AF100	76MM AMMUNITION COMPONENTS								12						
AF830 AF850 AF893 AF894	PE/QA SMCA PRODUCTION ENGINEERING PRODUCT IMPROVEMENT RENOVATION COMPONENTS GAUGE REQUIREMENTS NON-STANDARD					636 426 56 60			13 640 416 50 30						
SUBTOTA	IL (PAGE 1 OF P5)					1,178	3		1,149			0			

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

		BU	DGET ITEM JUST	TIFICATION	SHEET				DATE:			
			P-4	10						Februa	ry 2005	
APPROPRIATION/B	UDGET ACTIV	ITY					P-1 ITEM NO	MENCLATURE				
PROCUREMENT	OF AMMUN	IITION, NAVY	& MARINE CORP	PS/BA 1				INTERMED	IATE CALIE	ER GUN AI	MOUTINUMN	
Program Element for	Code B Items:						Other Related	Program Elen	nents			
SUBHEAD NO. A	1AL		BLIN: 0266	00								
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY												
COST (In Millions)			\$0.0	\$0.0	\$1.3	\$1.8	\$2.0	\$2.1	\$2.2	\$2.2		

ITEM DESCRIPTION/JUSTIFICATION:

The intermediate caliber cartridge is a family of fixed rounds of ammunition for use in shipboard intermediate caliber gun weapon systems (GWS). Navy's primary use for an intermediate caliber GWS will be to address both surface and air targets. United States Coast Guard's (USCG) primary use is drug interdiction, homeland defense, and Visit, Board, Search and Seize (VBSS). Intermediate caliber GWS are currently employed on US Navy guided missile frigates (FFGs) and US Coast Guard Cutters. An intermediate caliber GWS is designated for use on the new Littoral Combat Ship (LCS) and DD(X) class of US Navy ships and the USCG National Security Cutter. The program procures both High Explosive service rounds as well as Target Practice and dummy rounds for this GWS.

PROCUREMENT: The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.

<u>PRODUCTION</u> <u>ENGINEERING</u>: Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering function which are integral to an item's manufacture.

NOTE: Through FY 2005, funds in this line item were previously budgeted in line items 0290, Coast Guard Ammunition, and 0265, 76MM Gun Ammunition.

P-1 SHOPPING LIST
ITEM NO. 13 PAGE NO. 1

CLASSIFICATION:

		BU	DGET ITEM JUST	IFICATION	SHEET				DATE:			
			P-4	10						Februa	ry 2005	
APPROPRIATION/E	BUDGET ACTIV	ITY					P-1 ITEM NO	MENCLATUR			-	
PROCUREMEN [®]	T OF AMMUN	IITION, NAVY	& MARINE CORP	PS/BA 1				INTERMED	IATE CALIE	BER GUN AI	MOUTINUMN	
Program Element fo	or Code B Items:						Other Related	Program Eler	nents			
SUBHEAD NO.	A1AL		BLIN: 0266	00								
	Prior	ID	5), 222,	5 1/ 2225	5)/ 2222	5)/ 0005	5)/ 2222	51,0000	E) / 00 / 0	5)/ 00//	То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY												
COST												
(In Millions)			\$0.0	\$0.0	\$1.3	\$1.8	\$2.0	\$2.1	\$2.2	\$2.2		

CONTINUED:

PRODUCT IMPROVEMENT: The requested funds provide engineering services and related effort by the producing contractor or manufacturing installation to extend the useful military life of an item or to improve the item within the current performance envelope. Typically, such improvements take advantage of newly developed materials, progress in the state-of-the-art, improved design and other technical advances to provide improved safety, reduced environmental impact, improved reliability/maintainability/availability, decreased cost, and/or correction of deficiencies exclusive of contractual specifications.

RENOVATION COMPONENTS: The items purchased with funds identified for renovation components will be used to upgrade unserviceable rounds to ready-for-issue condition. The rounds to be renovated will be those with the lowest asset readiness positions.

<u>GAUGE:</u> These funds are required to procure the gauges and test equipments necessary to check critical dimensions/parameters of ammunition items and their parts. This is to assure proper mating of parts and subassemblies, assure correct interfacing between the ammunition and guns, and proper ammunition performance.

NON-STANDARD ITEMS: The non-standard line is to support procurement of ammunition training aids and initial procurements of required non type classified munition items.

All ammo procured with these funds is procured through the Single Manager Conventional Ammunition (SMCA) and the most recent SMCA standard/non-standard price list has been used in pricing the ammo.

P-1 SHOPPING LIST

ITEM NO. 13

PAGE NO. 2

CLASSIFICATION:

	WEAPONS SYSTEM P-5		NALYSIS			Weapon Sys	tem							DATE: Februa	ary 2005
	RIATION/BUDGET ACTIVITY EMENT OF AMMUNITION, NAVY & MAR		RPS/BA 1			ID Code 026600			SUBHEAD BER GUN AM	MUNITION					, .
			TOTAL COST	T IN THOUSA	NDS OF DOLI	LARS	•								
COST CODE	ELEMENT OF COST	ID Code	Prior Years		FY 2004			FY 2005			FY 2006			FY 2007	
OODL		Oodc	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	INTERMEDIATE CALIBER GUN AMMUNITION MEDIUM CAL TRAINING ROUND PE/QA SMCA	ON COMI	PONENTS							850	516.33	439	1,615	524.70	848
AL893 AL894	PRODUCTION ENGINEERING PRODUCT IMPROVEMENT RENOVATION COMPONENTS GAUGE REQUIREMENTS NON-STANDARD											720 50 43			735 150 50 44
SUBTOTA	L (PAGE 1 OF P5)	1				+ .	0	1	0			1,252			1,82

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM. 13 PAGE NO. 3

UNCLASSIFIED

BUDGET PROCURE	MENT HISTO	RY AND	PLANNING EXHIBI	T (P-5A)		Weapon System		A. DATE		
				` ,					February 20	05
B. APPROPRIATION/BUDGE PROCUREMENT OF		N, NAVY	& MARINE CORPS	/BA 1	C. P-1 ITEM NO INTERMEDI BLIN: 02660	ATE CALIBER GUN A	MMUNITIO		SUBHEAD	AL
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AL100										
INTERMEDIATE CALIBER MEDIUM CAL TRAINING F	_	TION COMPO	I ONENTS I							
FY 2006 FY 2007	850 1615		JMC ROCK ISLAND JMC ROCK ISLAND	Oct-05 Oct-06	MIPR MIPR	UNKNOWN UNKNOWN	Apr-06 Apr-07	Oct-07 Oct-08	NO NO	Jul-05 Jul-06
D. REMARKS										
NOTE: All items shown are	e priced with ava	ailable GFM.								
	- F									

DD Form 2446-1, JUL 87 P-1 Shopping List Classification:

ITEM NO. 13 PAGE NO. 4

Approp	oriation								Pro	duction Sched	ule				Date		
	ement Ammunition Navy	& Ma	rine (Corps												February 20	05
Budge	t Activity										P-1 l	tem			8	Subhead	
1 Navy	Ammunition										INTE	RMEDIATE CALIBER GUN	AMMUNITION	1	A	A1AL	
			IJ	S		Oct 1		Fiscal `	Year 2008			Fiscal Year 2009			Fiscal Year 2	010	
Cost Code	Item/Mfr	Prg Yr	U / M	e Pr	og tv Acc	Bal	CY 07		Calendar Ye	ar 2008		Calendar Yea	ar 2009		С	alendar Year 2010	Later
			М	v	Prior	Due	Oct Nov	Dec Jan Feb I	Mar Apr May Jun	Jul Aug Sep	Oct Nov Dec	Jan Feb Mar Apr May Jun	Jul Aug Sep	Oct Nov Dec	Jan Feb Mar	Apr May Jun Jul	Aug Sep
					FY 08	FY 08											•
AL100	MDTP - MEDIUM CAL TRAINING	ROUN	ID														
	UNKNOWN	06	K	N 0	.9	0.9	.9										
	UNKNOWN	07	K	N 1	.6	1.6					1.6						
	TOTALS			2	.5	2.5	.9				1.6						
			_				·										
						Pro	duction Ra	ites	Reached		Procur	ement Lead Time		Remarks:			\neg
M	lanufacture's Name and L	.ocati	on		Mi		1-8-5	Max	D+			Admin Lead Time Ma	nu- Total				
					Su	st.	1-0-3	IVIAX				Prior After factu	ıring After				
UNKI	NOWN]		1-Oct 1-Oct tin	1				
										Initial		 	18 24				
										+ I	Previous Sour		18 24				
												P-1 Item Shopping List Ite					
				一十								13	5				
										1							

		BU	DGET ITEM JUST	TIFICATION	SHEET				DATE:			
			P-4	10						Februa	ry 2005	
APPROPRIATION/	BUDGET ACTIV	ITY					P-1 ITEM NO	MENCLATURE				
PROCUREMEN	IT OF AMMUN	IITION, NAVY	& MARINE CORF	PS/BA 1				OTH	ER SHIP GL	JN AMMUNI	TION	
Program Element f	or Code B Items:						Other Related	Program Elen	nents			
SUBHEAD NO.	A1AG		BLIN: 0270	00								
	Prior	ID									То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
YTITNAUÇ												I
COST												
(In Millions)			\$19.2	\$19.1	\$40.1	\$32.5	\$34.4	\$35.5	\$36.4	\$37.5		i

ITEM DESCRIPTION/JUSTIFICATION:

The OSGA program consists of 40 medium caliber types of gun ammunition (20MM, 25MM, 30MM, 40MM, 60MM mortars). This supports active Navy ships, and active and reserve ashore warfare forces including mobile construction battalions (MCB), amphibious construction battalion (ACB), mobile security forces (MSF), fleet combat readiness groups, inshore undersea warfare groups and several other type operational units. Program includes support for emergent anti-terrorism/force protection and homeland defense requirements.

PROCUREMENT: The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.

<u>PRODUCTION</u> <u>ENGINEERING</u>: Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of producibility and production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering function which are integral to an item's manufacture.

P-1 SHOPPING LIST ITEM NO. 14 PAGE NO. 1

CLASSIFICATION:

		BU	DGET ITEM JUST	TIFICATION	SHEET				DATE:			
			P-4	10						Februa	ry 2005	
APPROPRIATION/I	BUDGET ACTIVI	ITY					P-1 ITEM NO	MENCLATURE			-	
PROCUREMEN	T OF AMMUN	IITION, NAVY	& MARINE CORF	S/BA 1				ОТН	ER SHIP GL	IN AMMUNI	TION	
Program Element fo	or Code B Items:						Other Related	Program Elen	nents			
SUBHEAD NO.	A1AG		BLIN: 0270	00								
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY												ı
COST (In Millions)			\$19.2	\$19.1	\$40.1	\$32.5	\$34.4	\$35.5	\$36.4	\$37.5		

CONTINUED:

PRODUCT IMPROVEMENT: The requested funds provide engineering services and related effort by the producing contractor or manufacturing installation to extend the useful military life of an item or to improve the item within the current performance envelope. Typically, such improvements take advantage of newly developed materials, progress in the state-of-the-art, improved design and other technical advances to provide improved safety, reduced environmental impact, improved reliability/maintainability/availability, decreased cost, and/or correction of deficiencies exclusive of contractual specifications.

<u>RENOVATION</u> <u>COMPONENTS:</u> The items purchased with funds identified for renovation components will be used to upgrade unserviceable rounds to ready-for-issue condition. The rounds to be renovated will be those with the lowest asset readiness positions.

GAUGE: These funds are required to procure the gauges and test equipments necessary to check critical dimensions/parameters of ammunition items and their parts. This is to assure proper mating of parts and subassemblies, assure correct interfacing between the ammunition and guns, and proper ammunition performance.

NON-STANDARD ITEMS: The non-standard line is to support procurement of ammunition training aids and initial procurements of required non type classified munition items.

P-1 SHOPPING LIST
ITEM NO. 14 PAGE NO. 2

CLASSIFICATION:

	WEAPONS SYSTE	M COST A	NALYSIS			Weapon Syste	em							DATE: Februa	ary 2005
-	RIATION/BUDGET ACTIVITY EMENT OF AMMUNITION, NAVY & N	IARINE CO	RPS/BA 1			027000	P-1 ITEM NON OTHER SH SUBHEAD	IP GUN AM							
			TOTAL COST	TIN THOUSA	NDS OF DOLL										
COST	ELEMENT OF COST	ID Code	Prior Years		FY 2004			FY 2005			FY 2006			FY 2007	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AG100	25MM CARTRIDGES CTG, 25MM, TP-T, M793 CTG 25MM MK210 CTG, 25MM, SAPHEI-T	A976 A981 A991		209,110	11.26	2,355	149,059	29.11	4,339	198,000 99,990 99,990	17.88 23.42 29.58	3,540 2,342 2,958	235,015 99,990 99,990	18.21 23.80 30.06	2,380
	30MM CARTRIDGES CART., 30MM APFSDS-T LKD CART., 30MM TP/TP-T LKD CART., 30MM HEI-T/MP LKD	AA71 AA65 AA89		2,000	102.00	202	1,387	136.22	189	7,200 14,250	250.00 100.00	1,800 1,425	14,250	100.00	1,425
	40MM GRENADE CARTRIDGES CTG., 40MM, PRAC., M79 F/M203 CTG 40MM,M430 F/MK19 CTG, 40MM, FIXED, PRAC., F/MK CTG, 40MM, BLANK, SAL (350&20 CTG, 40MM, 300 METER	B519 B542 B576 B650 WM30		43,700 207,008	5.05 22.05	221 4,565	50,000 150,880 148,416 7,992	4.42 36.46 16.03 38.98	221 5,501 2,379 312	45,000 150,016 8,010 50,000	4.37 22.07 89.81 22.46	197 3,311 719 1,123	40,000 150,016 8,010 50,000	4.45 22.45 89.33 22.82	3,368 715
AG200	LCS MINOR CALIBER MINOR CAL SERVICE ROUND MINOR CAL TRAINING ROUND	MISV MITP								2,350 3,000	100.00 22.88	235 69	2,620 3,000	100.00 23.25	
AG200	20MM CARTRIDGES CART., 20MM ELC	AA61		238,700	27.82	6,641	193,673	25.21	4,883	817,150	25.62	20,935	544,800	26.03	14,181
	PE/QA SMCA-AG100 PE/QA SMCA-AG200					524			504			229			272
SUBTOTA	L (PAGE 1 OF P5)					14,508			18,328			38,883			31,278

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 14 PAGE NO. 3

	WEAPONS SYSTEM P-5	COST A	NALYSIS			Weapon Syste	em							DATE:	ary 2005
	PRIATION/BUDGET ACTIVITY EMENT OF AMMUNITION, NAVY & MAR		RPS/BA 1			027000		MENCLATURE IIP GUN AM NO. A1AG						rebiu	ary 2005
			TOTAL COST	IN THOUSA	NDS OF DOLL	ARS									
COST CODE	ELEMENT OF COST	ID Code	Prior Years		FY 2004			FY 2005			FY 2006			FY 2007	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AG830 AG850	CONTINUED PRODUCTION ENGINEERING PRODUCT IMPROVEMENT					923 410			741 57			900 340			945 212
AG893	RENOVATION COMPONENTS GAUGE REQUIREMENTS NON-STANDARD PROPELLANT CONTINUOUS					19						21			24
	REALIGNMENT OF DDG AT/FP FUNDS					2,000									
	SUBTOTAL (PAGE 2 OF P5)					4719			798			1261			1181
TOTAL						19,227			19,126			40,144			32,

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM. 14 PAGE NO. 4

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREM	ENT HISTO	RY AND I	PLANNING EXHIBIT	Γ (P-5A)		Weapon System		A. DATE		
									February 20	05
B. APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NO	MENCLATURE			SUBHEAD	
PROCUREMENT OF A	MMUNITIO	N, NAVY	& MARINE CORPS	/BA 1	OTHER SHII	P GUN AMMUNITION			A1	AG
		•			BLIN: 02700	0				
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AG100										
25MM CARTRIDGES										
CTG, 25MM, TP-T, M793 A93	1 76									
FY 2004	209110	11 26	JMC ROCK ISLAND	Oct-03	MIPR	GENERAL DYNAMICS ORD	Jan-04	Mar-05	YES	
FY 2006	198000		JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Apr-06	Jun-07	NO	Jul-05
FY 2007	235015		JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Apr-07	Jun-08	NO	Jul-06
CTG 25MM MK210 A981										
FY 2006	99990	23.42	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Jun-07	NO	Jul-05
FY 2007	99990		NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Jun-08	NO	Jul-06
CTG, 25MM, SAPHEI-T A991	 									
FY 2005	149059	29.11	NSWC CRANE	Oct-04	CONTRACT	UNKNOWN	Apr-05	Jun-06	YES	
FY 2006	99990		NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Jun-07	NO	Jul-05
FY 2007	99990	30.06	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Jun-08	NO	Jul-06
30MM CARTRIDGES										
CART., 30MM APFSDS-T LK	D AA71									
FY 2006	7200	250.00	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Oct-07	NO	Jul-05
D REMARKS								<u> </u>		

D. REMARKS

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87

P-1 SHOPPING LIST

ITEM NO.

PAGE NO. 5

Classification:

BUDGET PROCURE	MENT HISTO	RY AND F	LANNING EXHIBIT	Г (P-5A)		Weapon System		A. DATE		
									February 20	05
B. APPROPRIATION/BUDGE	ET ACTIVITY				C. P-1 ITEM NON	MENCLATURE			SUBHEAD	
PROCUREMENT OF	AMMUNITIO	N, NAVY	& MARINE CORPS/	'BA 1	OTHER SHII	P GUN AMMUNITION			A1	AG
		•			BLIN: 02700					
					CONTRACT		1	DATE OF	SPECS	DATE
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	FIRST DELIVERY	AVAILABLE NOW	REVISIONS AVAILABLE
AG100 CONTINUED	\top									
30MM CARTRIDGES										
CART., 30MM HEI-T/MP L	KD AA89									
FY 2004	2000	102.00	NSWC CRANE	Oct-03	CONTRACT	UNKNOWN	Apr-05	Oct-06	YES	
FY 2005	1387		NSWC CRANE	Oct-04	CONTRACT	UNKNOWN	Apr-05	Oct-06	YES	
FY 2006	14250		NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Oct-07	NO	Jul-05
FY 2007	14250		NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Oct-08	NO	Jul-06
40MM GRENADE CARTRI										
CTG., 40MM, PRAC., M79		ŀ								
FY 2004	43700		JMC ROCK ISLAND	Oct-03	MIPR	MAST TECHNOLOGY INC.	Jun-04	Jul-05	YES	
FY 2005	50000		JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Mar-05	Apr-06	YES	
FY 2006	45000		JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Mar-06	Apr-07	NO	Jul-05
FY 2007	40000	4.45	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Mar-07	Apr-08	NO	Jul-06
CTG 40MM,M430 F/MK19	B542									
FY 2004	207008		JMC ROCK ISLAND	Oct-03	MIPR	UNKNOWN	Mar 05	Jul-06	YES	
FY 2005	150880		JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Mar 05	Oct-06	YES	
FY 2006	150016	22.07	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Jan-06	Aug-07	NO	Jul-05
FY 2007	150016	22.45	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Jan-07	Aug-08	NO	Jul-06
CTG, 40MM, FIXED, PRAC	C., F/MK19 B576									
FY 2005	148416	16.03	JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Mar 05	Dec-06	YES	
D. REMARKS										<u> </u>

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87

P-1 SHOPPING LIST ITEM NO. 14 PAGE NO. 6

Classification:

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREM	MENT HISTO	RY AND I	PLANNING EXHIBIT	Γ (P-5A)		Weapon System		A. DATE		
									February 20	05
B. APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NO	MENCLATURE			SUBHEAD	
PROCUREMENT OF A	AMMUNITIO	N, NAVY	& MARINE CORPS/	BA 1	OTHER SHII	P GUN AMMUNITION			A1	AG
					BLIN: 02700	0				
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AG100 CONTINUED										
40MM GRENADE CARTRIC	 GES									
CTG, 40MM, BLANK, SAL (350&200 GRAN	/IS) B650								
FY 2005	7992		JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Mar-05	Sep-06	YES	
FY 2006	8010	89.81	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Jan-06	Jul-07	NO	Jul-05
FY 2007	8010	89.33	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Jan-07	Jul-08	NO	Jul-06
CTG, 40MM, 300 METER W	/M30									
FY 2006	50000	22.46	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Mar-06	Mar-07	NO	Jul-05
FY 2007	50000	22.82	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Mar-07	Mar-08	NO	Jul-06
LCS MINOR CALIBER										
MINOR CAL SERVICE ROL	JND MISV									
FY 2006	2350	100.00	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Mar-06	Sep-07	NO	Jul-05
FY 2007	2620	100.00	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Mar-07	Sep-08	NO	Jul-06
MINOR CAL TRAINING RO	UND MITP									
FY 2006	3000	22.88	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Mar-06	Jun-07	NO	Jul-05
FY 2007	3000	23.25	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Mar-07	Jun-08	NO	Jul-06
D. REMARKS										

D. REMARKS

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87

P-1 SHOPPING LIST

ITEM NO.

PAGE NO. 7

Classification:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) Weapon System A. DATE February 2005 SUBHEAD B. APPROPRIATION/BUDGET ACTIVITY C. P-1 ITEM NOMENCLATURE PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/BA 1 OTHER SHIP GUN AMMUNITION A1AG BLIN: 027000 CONTRACT DATE OF SPECS DATE QUANTITY FIRST **REVISIONS** Cost Element/ UNIT LOCATION RFP ISSUE METHOD CONTRACTOR **AWARD** AVAILABLE COST **DELIVERY** FISCAL YEAR OF PCO DATE & TYPE AND LOCATION DATE NOW **AVAILABLE** AG200 20MM CARTRIDGES CART., 20MM ELC AA61 FY 2004 27.82 NSWC CRANE Oct-03 CONTRACT UNKNOWN Feb-05 Oct-06 YES 238700 FY 2005 193673 25.21 NSWC CRANE Oct-04 CONTRACT UNKNOWN Feb-05 Oct-06 YES FY 2006 817150 25.62 NSWC CRANE Oct-05 CONTRACT UNKNOWN Feb-06 Oct-07 NO Jul-05 FY 2007 26.03 NSWC CRANE 544800 Oct-06 CONTRACT UNKNOWN Feb-07 Oct-08 NO Jul-06

D. REMARKS

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87

P-1 SHOPPING LIST

14

ITEM NO.

PAGE NO. 8

Classification:

			BUDGET ITEM JUST	TFICATION	SHEET				DATE:			
			P-4	0						Februa	ry 2005	
APPROPRIATION/BUI	DGET ACTIVI	TY					P-1 ITEM NO	MENCLATURE				
PROCUREMENT C	F AMMUN	ITION, NA	VY & MARINE CORP	S/BA 1			SM	IALL ARMS	AND LAND	ING PARTY	AMMUNITIO	ON
Program Element for C	ode B Items:						Other Related	Program Elen	nents			
SUBHEAD NO. A1	AH		BLIN: 0335	00								
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY												
COST (In Millions)			\$17.8	\$23.1	\$35.6	\$9.3	\$10.1	\$10.3	\$10.6	\$11.1		

ITEM DESCRIPTION/JUSTIFICATION:

The Small Arms and Landing Party program consists of approximately 93 types of ammunition (shotgun, handgun, rifle, machine guns, grenades, and land mines). This supports all active Navy ships, and active and reserve ashore warfare forces including mobile construction battalions (MCB), amphibious construction battalion (ACB), mobile security forces (MSF), fleet combat readiness groups, inshore undersea warfare groups and several other type operational units. Program includes support for emergent anti-terrorism/force protection and homeland defense requirements.

PROCUREMENT: The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.

<u>PRODUCTION</u> <u>ENGINEERING</u>: Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering function which are integral to an item's manufacture.

P-1 SHOPPING LIST
ITEM NO. 15 PAGE NO. 1

CLASSIFICATION:

		BU	DGET ITEM JUST	TIFICATION	SHEET				DATE:			
			P-4	10						Februa	ry 2005	
APPROPRIATION/I	BUDGET ACTIV	ITY					P-1 ITEM NO	MENCLATURE			-	
PROCUREMEN	T OF AMMUN	ITION, NAVY	& MARINE CORP	PS/BA 1			SN	MALL ARMS	AND LAND	ING PARTY	AMMUNITIO	NC
Program Element fo	or Code B Items:						Other Related	Program Elen	nents			
SUBHEAD NO.	A1AH		BLIN: 0335	00								
	Prior	ID									То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY												
COST												
(In Millions)			\$17.8	\$23.1	\$35.6	\$9.3	\$10.1	\$10.3	\$10.6	\$11.1		

CONTINUED:

PRODUCT IMPROVEMENT: The requested funds provide engineering services and related effort by the producing contractor or manufacturing installation to extend the useful military life of an item or to improve the item within the current performance envelope. Typically, such improvements take advantage of newly developed materials, progress in the state-of-the-art, improved design and other technical advances to provide improved safety, reduced environmental impact, improved reliability/maintainability/availability, decreased cost, and/or correction of deficiencies exclusive of contractual specifications.

<u>RENOVATION</u> <u>COMPONENTS:</u> The items purchased with funds identified for renovation components will be used to upgrade unserviceable rounds to ready-for-issue condition. The rounds to be renovated will be those with the lowest asset readiness positions.

GAUGE: These funds are required to procure the gauges and test equipments necessary to check critical dimensions/parameters of ammunition items and their parts. This is to assure proper mating of parts and subassemblies, assure correct interfacing between the ammunition and guns, and proper ammunition performance.

NON-STANDARD ITEMS: The non-standard line is to support procurement of ammunition training aids and initial procurements of required non type classified munition items.

P-1 SHOPPING LIST
ITEM NO. 15 PAGE NO. 2

CLASSIFICATION:

	WEAPONS SYSTE	M COST A	NALYSIS			Weapon Syste	em							DATE:	
		P-5												Febru	ary 2005
	RIATION/BUDGET ACTIVITY EMENT OF AMMUNITION, NAVY & M	IARINE COI	RPS/BA 1			ID Code 033500	P-1 ITEM NOM SMALL AR SUBHEAD	MS AND LA	/SUBHEAD I NDING PAR	TY AMMUN	ITION				
			TOTAL COST	IN THOUSAN	NDS OF DOLL	ARS									
COST	ELEMENT OF COST	ID Code	Prior Years		FY 2004			FY 2005			FY 2006			FY 2007	
CODE		Code	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AH100															
	SHOTGUN CARTRIDGES CTG, 12 GA, NO. 00 CTG.12 GA NO.9	A011 A017		2,021,760	0.34	687	1,000,000	0.35	350	1,000,000 70,000	0.36 0.19	360 14	1,699,840	0.36	612
	CTG, 12 GA WARNING MUNITION, CTG, 12 GA WARNING MUNITION,	WM10 WM20								70,700 70,700	7.75 7.75	548 548	25,200 25,200	7.87 7.87	
	5.56MM CARTRIDGES CTG,5.56MM M855 CTG, 5.56MM, BLANK	A059 A080		2,378,880 962,160	0.21 0.10					8,500,800 2,359,800	0.25 0.12	2,125 283	1,002,960 980,400	0.25 0.12	
	7.62MM CARTRIDGES			302,100	0.10	101				, ,			300,400	0.12	110
	CTG,7.62MM BLNK CTG, 7.62MM, LKD, BALL AND TR CTG, 7.62MM, BALL, M80, LKD CTG, 7.62MM, LKD	A111 A131 A143 A165		3,424,000 3,039,000	0.46 0.44	,		0.54	1,177	500,000 10,050,400	0.40 0.52	200 5,226	1,864,000 250,000 387,000	0.53 0.54 0.52	135
	9MM CARTRIDGES CTG, 9MM, BALL CTG, 9MM, FRANGIBLE	A363 AA16								500,000 1,000,000	0.12 0.18	60 180	13,434,000 1,000,000	0.12 0.18	
	.50 CAL CARTRIDGES CTG, .50 CAL, LKD, BALL CTG, .50 CAL, LKD & TRACER CTG50 CAL, MK 211, APIT, M	A555 A557 AA06		250,000 969,600 1,665,600	1.69 1.76 6.01	1,709	1,127,400 2,813,463	1.97 6.30	2,221 17,725	4,000,000 2,565,000	2.03 6.37	8,120 16,339	204,000 403,000	2.11 6.48	431 2,612
AH350	MATCH AMMO	AAOO		1,005,000	0.01	10,003	2,613,403	0.30	17,725	2,303,000	0.37	10,339	403,000	0.40	2,012
	CTG, .22 CAL, BALL, LR, MATCH CTG., 5.56MM Match	A097 AA53					200,000 425,000	0.18 0.53	36 225	400,000	0.54	216	316,000 400,000	0.19 0.55	
	PE/QA SMCA					104			57			205			220
SUBTOTAL	L (PAGE 1 OF P5)					16,453			21,791			34,424			8,03

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

	WEAPONS SYST	EM COST A P-5	NALYSIS			Weapon Syst	em							DATE:	ary 2005
	RIATION/BUDGET ACTIVITY REMENT OF AMMUNITION, NAVY & I		RPS/BA 1			ID Code 033500			S/SUBHEAD ANDING PAR	TY AMMUN	ITION			rebru	ary 2005
			TOTAL COST	Γ IN THOUSA	NDS OF DOLI	LARS		-							
COST CODE	ELEMENT OF COST	ID Code	Prior Years		FY 2004			FY 2005			FY 2006			FY 2007	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	CONTINUED														
AH830 AH850 AH893	PRODUCTION ENGINEERING PRODUCT IMPROVEMENT RENOVATION COMPONENTS					618			750			800			820
	GAUGE REQUIREMENTS NON-STANDARD MATCH AMMO					530 154			400 204			180 235			150 245
TOTAL	SUBTOTAL (PAGE 2 OF P5)					1302 17,755			1354 23,145			1215 35,639			1215 9,251

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 15 PAGE NO. 4

UNCLASSIFIED

BUDGET PROCUREM	ENT HISTO	ORY AND	PLANNING EXHIBI	Г (Р-5А)		Weapon System		A. DATE	February 20	05
B. APPROPRIATION/BUDGET PROCUREMENT OF A		ON, NAVY	& MARINE CORPS	/BA 1	C. P-1 ITEM NON SMALL ARM BLIN: 03350	IS AND LANDING PART	Y AMMU	•	SUBHEAD	AH
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AH100										
SHOTGUN CARTRIDGES CTG, 12 GA, NO. 00 A011 FY 2004 FY 2005	2021760 1000000		JMC ROCK ISLAND JMC ROCK ISLAND	Oct-03 Oct-04	MIPR MIPR	OLIN CORP UNKNOWN	Mar-04 Mar-05	Nov-04 Sep-05	YES YES	
FY 2006 FY 2007	1000000 1000000 1699840	0.36	JMC ROCK ISLAND JMC ROCK ISLAND	Oct-04 Oct-05 Oct-06	MIPR MIPR	UNKNOWN UNKNOWN	Feb-06 Feb-07	Aug-06 Aug-07	NO NO	Jul-05 Jul-06
CTG,12 GA NO.9 A017 FY 2006	70000	0.19	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Feb-06	Aug-06	NO	Jul-05
CTG, 12 GA WARNING MUN	I NITION, 100 N	I METER WM1	0							
FY 2006 FY 2007	70700 25200	-	NSWC CRANE NSWC CRANE	Oct-05 Oct-06	CONTRACT CONTRACT	UNKNOWN UNKNOWN	Feb-06 Feb-07	Nov-06 Nov-07	NO NO	Jul-05 Jul-06
CTG, 12 GA WARNING MUN	I NITION, 200 N	I METER WM2	0							
FY 2006 FY 2007	70700 25200		NSWC CRANE NSWC CRANE	Oct-05 Oct-06	CONTRACT CONTRACT	UNKNOWN UNKNOWN	Feb-06 Feb-07	Nov-06 Nov-07	NO NO	Jul-05 Jul-06
5.56MM CARTRIDGES CTG,5.56MM M855 A059										
FY 2004 FY 2006 FY 2007	2378880 8500800 1002960	0.25	JMC ROCK ISLAND JMC ROCK ISLAND JMC ROCK ISLAND	Oct-03 Oct-05 Oct-06	MIPR MIPR MIPR	ALLIANT TECHSYSTEMS UNKNOWN UNKNOWN	Mar-04 Feb-06 Feb-07	Jun-05 Nov-06 Nov-07	YES NO NO	Jul-05 Jul-06
D REMARKS										

D. REMARKS

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

UNCLASSIFIED

BUDGET PROCUREME	ENT HISTO	RY AND F	PLANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
									February 20	05
B. APPROPRIATION/BUDGET A PROCUREMENT OF A		ON, NAVY	& MARINE CORPS/I	BA 1	C. P-1 ITEM NO SMALL ARI BLIN: 03350	WS AND LANDING PART	Y AMMU		SUBHEAD A1	АН
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AH100 CONTINUED										
5.56MM CARTRIDGES CTG, 5.56MM, BLANK A080										
FY 2004	962160		JMC ROCK ISLAND	Oct-03	MIPR	ALLIANT TECHSYSTEMS	Mar-04	Feb-05	YES	
FY 2006	2359800		JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Feb-06	Nov-06	NO	Jul-05
FY 2007	980400	0.12	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Feb-07	Nov-07	NO	Jul-06
7.62MM CARTRIDGES CTG,7.62MM BLNK A111										
FY 2006	500000	0.40	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Feb-06	Nov-06	NO	Jul-05
CTG, 7.62MM, LKD, BALL AN FY 2004	ND TRACER A 3424000	_	JMC ROCK ISLAND	0 - 02	MIPR	ALLIANT TECHSYSTEMS	lum O4	Con OF	VEC	
FY 2004 FY 2005	3424000 2178400		JMC ROCK ISLAND JMC ROCK ISLAND	Oct-03 Oct-04	MIPR	UNKNOWN	Jun-04 Mar-05	Sep-05 Dec-05	YES YES	
FY 2006	10050400		JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Feb-06	Nov-06	NO NO	Jul-05
FY 2007	1864000		JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Feb-00	Nov-07	NO NO	Jul-05 Jul-06
1 1 200.		U	01110 110 011 102 1112	20.00		Oran Communication Communicati		1.0. 0.		5 5.0
CTG, 7.62MM, BALL, M80, LF	KD A143								'	
FY 2007	250000	0.54	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Feb-07	Nov-07	NO	Jul-06
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D. REMARKS	LI									

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREN	MENT HISTO	RY AND I	PLANNING EXHIBIT	Г (P-5A)		Weapon System		A. DATE		
									February 20	05
B. APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NO	MENCLATURE			SUBHEAD	
PROCUREMENT OF A	AMMUNITIO	N, NAVY	& MARINE CORPS/	BA 1	SMALL ARM	IS AND LANDING PART	Y AMMU	NITION	A1	AH
					BLIN: 03350	0				
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AH100 CONTINUED										
7.62MM CARTRIDGES										
CTG, 7.62MM, LKD A165										
FY 2004	3039000	0 44	JMC ROCK ISLAND	Oct-03	MIPR	ALLIANT TECHSYSTEMS	Feb-04	Jul-05	YES	
FY 2007	387000		JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Feb-07	Nov-07	NO	Jul-06
9MM CARTRIDGES CTG, 9MM, BALL A363										
FY 2006	500000	0.12	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Feb-06	Aug-06	NO	Jul-05
FY 2007	13434000	0.12	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Feb-07	Aug-07	NO	Jul-06
CTG, 9MM, FRANGIBLE AA	\ \16									
FY 2006	1000000	0.18	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Apr-07	NO	Jul-05
FY 2007	1000000	0.18	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
.50 CAL CARTRIDGES										
CTG, .50 CAL, LKD, BALL A	\555									
FY 2004	250000	1.69	JMC ROCK ISLAND	Oct-03	MIPR	ALLIANT TECHSYSTEMS	Mar-04	Oct-04	YES	

D. REMARKS

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

UNCLASSIFIED

BUDGET PROCUREM	ENT HISTO	ORY AND	PLANNING EXHIBI	T (P-5A)		Weapon System		A. DATE	February 20	05
B. APPROPRIATION/BUDGET PROCUREMENT OF A		ON, NAVY	& MARINE CORPS	/BA 1	C. P-1 ITEM NOT SMALL ARM BLIN: 03350	IS AND LANDING PART	Y AMMU	•	SUBHEAD	AH
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AH100 CONTINUED										
.50 CAL CARTRIDGES CTG, .50 CAL, LKD & TRAC										
FY 2004	969600		JMC ROCK ISLAND	Oct-03	MIPR	MULTIPLE CONTRACTORS	Mar-04	Sep-04	YES	
FY 2005	1127400		JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Mar-05	Dec-05	YES	
FY 2006	4000000		JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Feb-06	Nov-06	NO	Jul-05
FY 2007	204000	2.11	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Feb-07	Nov-07	NO	Jul-06
CTG, .50 CAL, MK 211, API	 Γ. M20 4 & 1 L	K AA06								
FY 2004	1665600	i l	JMC ROCK ISLAND	Oct-03	MIPR	ALLIANT TECHSYSTEMS	May-04	Dec-05	YES	
FY 2005	2813463	6.30	NSWC CRANE	Oct-04	CONTRACT	UNKNOWN	Jul-05	Jun-06	YES	
FY 2006	2565000	6.37	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Apr-07	NO	Jul-05
FY 2007	403000	6.48	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
AH350										
MATCH AMMO										
CTG, .22 CAL, BALL, LR, MA		A097								
FY 2005	200000	0.18	NSWC CRANE	Oct-04	CONTRACT	UNKNOWN	Apr-05	Apr-06	YES	
FY 2007	316000	0.19	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
D. REMARKS										
NOTE: All items shown are p	priced with ava	ailable GFM.								

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREM	FNT HISTO	DRY AND I	DI ANNING EXHIRI	T (P-5Δ)		Weapon System		A. DATE		
BODOLI I KOOOKLIII			LAMINO EXHIBI	i (i <i>OA)</i>		VVCapon Gyotom			February 20	05
B. APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NON	IENCI ATURE			SUBHEAD	
PROCUREMENT OF A		N. NAVY	& MARINE CORPS	/BA 1		IS AND LANDING PAR	TY AMMU	NITION		AH
		,	o		BLIN: 03350					
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AH350 CONTINUED MATCH AMMO CTG., 5.56MM Match AA53 FY 2005 FY 2006 FY 2007	425000 400000 400000	0.54	NSWC CRANE NSWC CRANE NSWC CRANE	Oct-04 Oct-05 Oct-06	CONTRACT CONTRACT CONTRACT	UNKNOWN UNKNOWN UNKNOWN	Apr-05 Apr-06 Apr-07	Apr-06 Apr-07 Apr-08	YES NO NO	Jul-05 Jul-06
D. DEMARKO				<u> </u>					<u> </u>	

D. REMARKS

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

ITEM NO. 15 PAGE NO. 9

		BU	DGET ITEM JUST	TIFICATION	SHEET				DATE:			
			P-4	10						Februa	ry 2005	
APPROPRIATION/I	BUDGET ACTIV	ITY					P-1 ITEM NO	MENCLATURE			-	
PROCUREMEN	T OF AMMUN	ITION, NAVY	& MARINE CORP	PS/BA 1				PYROTECH	NICS AND D	EMOLITIO	N MATERIAL	_
Program Element fo	or Code B Items:						Other Related	Program Eler	nents			
SUBHEAD NO.	A1AJ		BLIN: 0340	00								
	Prior	ID									То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY												
COST												
(In Millions)			\$10.1	\$10.1	\$13.9	\$10.4	\$10.9	\$11.2	\$11.5	\$11.9		

ITEM DESCRIPTION/JUSTIFICATION:

DD Form 2454, JUN 86

The Pyrotechnics/Demolition program consists of approximately 230 different types of pyrotechnics/demolition items that are required to support the surface, air, ground, and underwater Navy requirements. This program provides pyrotechnics and demolition materials for all active naval vessels, amphibious and mobile construction battalions (ACB and MCB), mobile diving and salvage units, cargo handling and port groups, naval security groups, fleet composite operational readiness groups and explosive ordnance disposal groups/mobile units/detachments/teams. This program also provides materials to support the ship shock test program. These pyrotechnics items consist of illumination, signaling, identification, and location devices using flare or smoke as the primary signaling agent. Pyrotechnics are used for training, combat exercises, submarine rescue and personnel search and rescue operations. Demolitions consist of explosive devices and accessories and are required for fleet units to perform training functions and operations/requirements.

PROCUREMENT: The funds are required to procure components, load and assemble complete rounds and conduct acceptance tests.

<u>PRODUCTION</u> <u>ENGINEERING:</u> Funds requested provide engineering support for items procured in same fiscal year. Support efforts include analysis of production operations; preparation, test and technical evaluation of engineering changes to correct deficiencies in the production item; preparation, test and technical evaluation of waivers and deviations; value engineering; review and evaluation of production design data and documentation; production configuration control; and other related engineering function which are integral to an item's manufacture.

P-1 SHOPPING LIST CLASSIFICATION:

		BU	DGET ITEM JUST	IFICATION	SHEET				DATE:			,
			P-4	10						Februa	ry 2005	
APPROPRIATION/E	BUDGET ACTIV	ITY					P-1 ITEM NO	MENCLATURE			-	
PROCUREMEN'	T OF AMMUN	IITION, NAVY	& MARINE CORF	PS/BA 1				PYROTECH	NICS AND D	EMOLITIO	N MATERIAL	-
Program Element fo	or Code B Items:						Other Related	Program Eler	nents			
SUBHEAD NO.	A1AJ		BLIN: 0340	00								
	Prior	ID									То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY												
COST												
(In Millions)			\$10.1	\$10.1	\$13.9	\$10.4	\$10.9	\$11.2	\$11.5	\$11.9		

CONTINUED:

PRODUCT IMPROVEMENT: The requested funds provide engineering services and related efforts by the producing contractor of manufacturing installation. To extend the useful military life of an item or to improve the item within the current performance envelope. Typically, such improvements take advantage of newly developed materials, progress in the state-of-the-art, improved design and other technical advances to provide improved safety, reduced environmental impact, improved reliability/maintainability/availability, decreased cost, and/or correction of deficiencies exclusive of contractual specifications.

<u>RENOVATION</u> <u>COMPONENTS:</u> The items purchased with funds identified for renovation components will be used to upgrade unserviceable rounds to ready-for-issue condition. The rounds to be renovated will be those with the lowest asset readiness positions.

GAUGE: These funds are required to procure the gauges and test equipments necessary to check critical dimensions/parameters of ammunition items and their parts. This is to assure proper mating of parts and subassemblies, assure correct interfacing between the ammunition and guns, and proper ammunition performance.

NON-STANDARD ITEMS: The non-standard line is to support procurement of ammunition training aids and initial procurements of required non type classified munition items.

P-1 SHOPPING LIST

CLASSIFICATION:

	WEAPONS SYSTEM		NALYSIS			Weapon Syst	em							DATE:	
	RIATION/BUDGET ACTIVITY EMENT OF AMMUNITION, NAVY & MA		RPS/BA 1			ID Code 034000	P-1 ITEM NON PYROTECH SUBHEAD	INICS AND	/SUBHEAD DEMOLITIOI	N MATERIA	L			Februa	ary 2005
			TOTAL COST	IN THOUSAN	IDS OF DOLL	ARS	199-11-11								
COST CODE	ELEMENT OF COST	ID Code	Prior Years		FY 2004	_		FY 2005			FY 2006			FY 2007	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	SIGNALS SIGNAL, ILLUM, MARINE, RED, C SIGNAL, ILLUM, MARINE, YELLOW SIGNAL, ILLUM, MARINE, RED ST SIG, SMK ILLUM, MAR, MK124/13 SIG, SMK ILLUM, MAR, MK 117,	L191 L192 L193 L283 LA26		34,840 141	48.78 1588.06			55.55 1262.14	556 1,136	40,480 760	62.87 1282.46	2,545 975	4,992 4,992 6,456	93.75 94.01 95.33	469
	TRAINING DEVICES SIM, HAND GRENADE, M116	L601								4,050	8.41	34	4,500	8.55	38
	MINE CHARGES & CHARGE CUTTERS CONTAINER, MCD, MK 788 CHARGE, LIDD, MK171 CHG, DML, BLK, COMP C-4, 1.25 CHG, DML, BLK, M118, PETN, 2L CHG, ASSY, DML, M183/37	DWDF DWDN M023 M024 M757		2,196	61.24	135	1,169 2,500	127.87 58.58	150 146	19,500 1,500	15.66 437.86	305 657	2,496 2,900 3,340	64.17 121.53 56.58	353

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 16 PAGE NO. 3

	RIATION/BUDGET ACTIVITY	5				Weapon Syste	5 111							Februa	ary 2005
	EMENT OF AMMUNITION, NAVY & MA	RINE CO	RPS/BA 1			ID Code 034000	_		SUBHEAD DEMOLITION	N MATERIA	L				
			TOTAL COST	IN THOUSAN	NDS OF DOLL	ARS									
COST	ELEMENT OF COST	ID Code	Prior Years		FY 2004			FY 2005			FY 2006			FY 2007	
0022		0000	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
J100	CONTINUED														
	DET CORDS, CAPS & FUZES AFS NON-ELECTRIC FIRING KIT DETONATOR, DEL, 175MS, MK156 DETONATOR, DEL, 200MS, MK157 DETONATOR, DEL, 17MS, MK 158 DETONATOR, DEL, 42MS, MK 159 DETONATOR, DEL, 25MS. MK 160	AFSK DWEJ DWEK DWEL DWEM DWEN					1,500	151.00	227	5,050 5,050 5,050	13.39 13.39 13.39	68 68 68	2,500 10,000 10,000	155.90 10.29 10.29	390 103 103
	FIRING DEVICE, ACOUSTIC, MK 5 REMOTE FIRING DEVICE, MK 64 M	DWES DWFD		1,074	1452.70	1,560				14,000	63.81	893	1,146	1547.45	1,773
	BREECH PLUG ASSEMBLY, TITANIU CAP, BLASTING, ELECTRIC, MK 1 CAP, BLASTING, ELEC, INERT CAP, BLASTING, NON-ELEC, M7 CORD, DETONATING, PRIMACORD, FUZE, BLASTING, TIME SQUIB, ELECTRIC, MK 20 FIRING DEVICE, DML MULTIPURPO RADIO FIRING DEVICE (RFD) MK DET, NON-EL, 50' DUAL, MK 153 FIRING DEVICE. MK 62	DWFL DWFP M098 M131 M456 M670 MG61 ML03 ML06 MN51 MN81		41,444 35,920 704,000 200,000	59.38 9.60 0.32 0.22	2,461 345 227 44	1,530 440,000 9,000 50 138 2,380	0.31 84.91 18390.00 54.88 852.11	171 138 764 920 8 2.028	4,000 35,000 1,000,000 400,000 9,110 15,008 44	7.86 10.39 0.43 0.23 86.28 32.61 18686.08	31 364 430 92 786 489 822	26,900	69.90	1,880
	CONNECTOR, DET CORD, PLASTIC	MW49					2,500	602	2,020				30,000	0.48	15
OTAL	SUBTOTAL (PAGE 2 OF P5)					4637 6,697			4256 6,244			4111 8,627			4264 6,55

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:
ITEM NO. 16 PAGE NO. 4

	WEAPONS SYSTE	EM COST A P-5	NALYSIS			Weapon Syst	em							DATE: Februa	ary 2005
	RIATION/BUDGET ACTIVITY EMENT OF AMMUNITION, NAVY & N		RPS/BA 1			ID Code 034000	P-1 ITEM NON PYROTECH SUBHEAD	INICS AND	/SUBHEAD DEMOLITION	N MATERIA	L				•
			TOTAL COST	T IN THOUSAN	NDS OF DOLL	ARS									
COST CODE	ELEMENT OF COST	ID Code	Prior Years		FY 2004			FY 2005			FY 2006			FY 2007	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AJ100	CONTINUED														
	CUTTERS & CARTRIDGES BOLT, EXPL, MK5/0 CTG, IMPULSE, MK 148 CTG, 50 CAL BLANK, ELEC, MK20	M254 M663 SS01					72	4532.15	326	100 22,000	971.41 67.74	97 1,490			
	SHOCK TEST CHARGES CHARGE, SHOCK TEST, 60 LB	XW65		314	1432.71	450	525	1501.55	788	550	1601.01	881	550	1628.95	896
	PE/QA SMCA					16			100			161			173
AJ893 AJ894	PRODUCTION ENGINEERING PRODUCT IMPROVEMENT RENOVATION COMPONENTS GAUGE REQUIREMENTS NON-STANDARD					981 1,593 110 16 196			1,157 1,190 111 17 161			1,300 1,017 115 18 204			1,339 1,050 117 19 212
TOTAL	SUBTOTAL (PAGE 3 OF P5)					3362 10,059			3850 10,094			5283 13,910			3806 10,363

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:
ITEM NO. 16 PAGE NO. 5

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREME	ENT HISTO	DRY AND I	PLANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
									February 20	05
B. APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NON	MENCLATURE			SUBHEAD	
PROCUREMENT OF A	MMUNITIC	N, NAVY	& MARINE CORPS/	BA 1	PYROTECHI	NICS AND DEMOLITION	MATERI	AL	A 1	AJ
					BLIN: 03400	0				
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AJ100										
SIGNALS										
SIGNAL, ILLUM, MARINE, RE	ED, COMET I	L191								
FY 2007	4992	93.75	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
SIGNAL, ILLUM, MARINE, YE	I ELLOW COM	ET L192								
FY 2007	4992	94.01	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
SIGNAL, ILLUM, MARINE, RE	 ED STAR MK	(1 L193								
FY 2007	6456		NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Feb-08	NO	Jul-06
SIG, SMK ILLUM, MAR, MK1:	 24/13 DISTE	RESS I 283								
FY 2004	34840	i i	JMC ROCK ISLAND	Oct-03	MIPR	PYROTECHNIC SPECIALTIE	Sep-04	Mar-06	YES	
FY 2005	10008		JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Oct-05	Apr-07	NO	Jun-05
FY 2006	40480		NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Oct-07	NO	Jul-05
SIG, SMK ILLUM, MAR, MK 1	 17. GREEN	LA26								
FY 2004	141	in the second se	NSWC CRANE	Oct-03	CONTRACT	CRANE AAA	Nov-04	Jun-05	YES	
FY 2005	900		NSWC CRANE	Oct-04	CONTRACT	UNKNOWN	Apr-05	Oct-06	YES	
FY 2006	760	1282.46	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Oct-07	NO	Jul-05
D. REMARKS										

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

UNCLASSIFIED

BUDGET PROCUREM	ENT HISTO	RY AND P	LANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
									February 20	05
B. APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NON	MENCLATURE			SUBHEAD	
PROCUREMENT OF A	MMUNITIO	N, NAVY &	MARINE CORPS/B	BA 1	PYROTECHI	NICS AND DEMOLITION	MATERIA	AL	A1	AJ
					BLIN: 03400	0				
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AJ100 CONTINUED										
TRAINING DEVICES										
SIM, HAND GRENADE, M116	6 L601									
FY 2006	4050	8.41	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Sep-06	Sep-07	NO	Jul-05
FY 2007	4500		JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Sep-07	Sep-08	NO	Jul-06
MINE CHARGES & CHARGE CONTAINER, MCD, MK 788 I	DWDF									
FY 2002	1812		NSWC CRANE	Oct-01	CONTRACT	NSWC CRANE, CODE 4053	Mar-04	Mar-05	YES	
FY 2004	2196	61.24	NSWC CRANE	Oct-03	CONTRACT	NSWC CRANE, CODE 4053	Mar-04	Mar-05	YES	
FY 2007	2496	64.17	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
CHARGE, LIDD, MK171 DWE	DN									
FY 2005	1169	127.87	NSWC CRANE	Oct-04	CONTRACT	CRANE AAA	Jan-06	Feb-06	YES	
FY 2007	2900	121.53	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	May-08	NO	Jul-06
CHG, DML, BLK, COMP C-4,	1.25/2.5LB M0	23								
FY 2006	19500	15.66	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Aug-06	Aug-07	NO	Jul-05
CHG, DML, BLK, M118, PETN	N, 2LB M024									
FY 2005	2500	58.58	JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Apr-05	Feb-06	YES	
FY 2007	3340	56.58	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Apr-07	Feb-08	NO	Jul-06
D. REMARKS							<u> </u>			

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

ITEM NO. PAGE NO. 7 16

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREM	ENT HISTO	RY AND P	LANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
									February 20	05
B. APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NON	MENCLATURE			SUBHEAD	
PROCUREMENT OF A	MMUNITIO	N, NAVY 8	MARINE CORPS/E	BA 1	PYROTECHI	NICS AND DEMOLITIO	N MATERI	AL	A1	AJ
					BLIN: 03400	0				
					CONTRACT			DATE OF	SPECS	DATE
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	FIRST DELIVERY	AVAILABLE NOW	REVISIONS AVAILABLE
AJ100 CONTINUED										
MINE CHARGES & CHARGE										
CHG, ASSY, DML, M183/37 I										
FY 2006	1500	437.86	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Apr-06	Apr-07	NO	Jul-05
DET CORDS, CAPS & FUZE	I S									
AFS NON-ELECTRIC FIRING	KIT AFSK									
FY 2005	1500		NSWC CRANE	Apr-05	CONTRACT	UNKNOWN	Aug-05	Aug-06	NO	Mar-05
FY 2007	2500	155.90	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
DETONATOR, DEL, 175MS,	I MK156 MOD (ا 30FT DWE,	J							
FY 2007	10000	10.29	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
DETONATOR, DEL, 200MS,	MK157 MOD) 0, 16FT DWE	K							
FY 2007	10000	10.29	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
DETONATOR, DEL, 17MS, N	I //K 158 MOD 0	ا 12FT DWEL,	-							
FY 2006	5050	13.39	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Apr-07	NO	Jul-05
DETONATOR, DEL, 42MS, N	 K 159 MOD 0	12FT DWFN	и							
FY 2006	5050		NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Apr-07	NO	Jul-05
DETONATOR, DEL, 25MS, N	 K 160 MOD 0	l), 12FT DWEN	N							
FY 2006	5050		NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Apr-07	NO	Jul-05
D. REMARKS					•	•	•	-	<u>-</u>	-

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

ITEM NO. 16 PAGE NO. 8

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREM	ENT HISTO	DRY AND I	PLANNING EXHIB	IT (P-5A)		Weapon System		A. DATE		
									February 20	05
B. APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NON	MENCLATURE			SUBHEAD	
PROCUREMENT OF A	AMMUNITIC	N, NAVY	& MARINE CORPS	S/BA 1	PYROTECHI	NICS AND DEMOLITION	MATER	IAL	A1	AJ
					BLIN: 03400	0				
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AJ100 CONTINUED										
DET CORDS, CAPS & FUZE FIRING DEVICE, ACOUSTION		ES								
FY 2004	1074		NSWC CRANE	Oct-03	CONTRACT	HI-SHEAR TECHNOLOGY CO	May-04	Aug-06	YES	
FY 2007	1146	1547.45	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Oct-08	NO	Jul-06
REMOTE FIRING DEVICE, N	MK 64 MOD 0	DWFD								
FY 2006	14000		NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Apr-07	NO	Jul-05
BREECH PLUG ASSEMBLY	 /. TITANIUM C	DISRUPTER (DWFL							
FY 2005	1530	i e	NSWC CRANE	Feb-05	CONTRACT	UNKNOWN	Apr-05	Jun-06	YES	
CAP, BLASTING, ELECTRIC	. MK 17 MOE	1 DWFP								
FY 2004	41444		NSWC CRANE	Jan-05	CONTRACT	UNKNOWN	Mar-05	Dec-05	YES	
FY 2007	26900	69.90	NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Apr-08	NO	Jul-06
D. REMARKS	1			1		<u> </u>				<u></u>

NOTE: All items shown are priced with available GFM.

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UNCLASSIFIED

Classification:

UNCLASSIFIED

BUDGET PROCUREME	ENT HISTO	ORY AND	PLANNING EXHIBIT	Γ (P-5A)		Weapon System		A. DATE		
									February 20	05
B. APPROPRIATION/BUDGET A					C. P-1 ITEM NO				SUBHEAD	
PROCUREMENT OF A	MMUNITIO	N, NAVY	& MARINE CORPS/	'BA 1	PYROTECH	NICS AND DEMOLITION	MATER	IAL	A1	IAJ
					BLIN: 03400	0				
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AJ100 CONTINUED										
 DET CORDS, CAPS & FUZES CAP, BLASTING, ELEC, INEF										
FY 2006	4000	7.86	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Feb-07	NO	Jul-05
CAP, BLASTING, NON-ELEC	-									
FY 2004	35920		NSWC CRANE	Oct-03	CONTRACT	STRESAU LABORATORY	May-04	Mar-05	YES	
FY 2006	35000	10.39	NSWC CRANE	Oct-05	MIPR	UNKNOWN	Apr-06	Feb-07	NO	Jul-05
CORD, DETONATING, PRIM	ACORD, PET	N M456								
FY 2004	704000		JMC ROCK ISLAND	Oct-03	MIPR	ENSIGN BICKFORD SIMSBU		Jan-05	YES	
FY 2006	1000000	0.43	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Jun-06	Jan-07	NO	Jul-05
I FUZE, BLASTING, TIME M67 I	0									
FY 2004	200000	0.22	JMC ROCK ISLAND	Oct-03	MIPR	ENSIGN BICKFORD SIMSBU	May-04	Dec-05	YES	
FY 2005	440000	0.31	JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Apr-05	Feb-06	YES	
FY 2006	400000	0.23	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Apr-06	Feb-07	NO	Jul-05
I SQUIB, ELECTRIC, MK 20 M	G61									
FY 2005	9000	84.91	NSWC CRANE	Jun-05	CONTRACT	UNKNOWN	Oct-05	Oct-06	NO	Apr-05
FY 2006	9110	86.28	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Apr-07	NO	Jul-05
D. REMARKS										
IOTE: All itams shown are n	مادانيا لمممات	ilabla OFM								

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

UNCLASSIFIED

BUDGET PROCUREM	ENT HISTO	RY AND	PLANNING EXHIBI	Г (Р-5А)		Weapon System	A. DATE				
								February 2005			
B. APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NOI	MENCLATURE		SUBHEAD			
PROCUREMENT OF A	MMUNITIO	N, NAVY	& MARINE CORPS	/BA 1	PYROTECH	PYROTECHNICS AND DEMOLITION MATERIAL					
					BLIN: 03400	0					
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE	
AJ100 CONTINUED											
DET CORDS, CAPS & FUZE											
FIRING DEVICE, DML MULT			IMO DOOK IOLAND	0-4.05	MIPR	LINUZALOMAL	J 00	N 00	NO	11.05	
FY 2006	15008	32.61	JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Jan-06	Nov-06	NO	Jul-05	
RADIO FIRING DEVICE (RFI	I D) MK 186 ML I I	.06									
FY 2005	50	18390.00	NSWC CRANE	Oct-04	CONTRACT	ROTHENBUHLER ENG	Jan-05	Apr-08	YES		
FY 2006	44	18686.08	NSWC CRANE	Oct-05	CONTRACT	UNKNOWN	Apr-06	Sep-08	NO	Jul-05	
DET NON EL FOLDUAL MI	(450 MNI54										
DET, NON-EL, 50' DUAL, MK FY 2005	138	54 88	NSWC CRANE	Oct-04	CONTRACT	ENSIGN BICKFORD SIMSBU	Jan-05	Apr-05	YES		
1 1 2000	100	04.00	NOWO OIGHNE	00004	CONTINUE	ENGIGIN BION OND OIMOBO	our oo	7,61 00	120		
FIRING DEVICE, MK 62 MN8	 31										
FY 2005	2380	852.11	NSWC CRANE	Oct-04	CONTRACT	UNKNOWN	Apr-05	Apr-06	YES		
COMMENTOR DET CORD		40									
CONNECTOR, DET CORD, I FY 2007	30000 S		NSWC CRANE	Oct-06	CONTRACT	UNKNOWN	Apr-07	Feb-08	NO	Jul-06	
1 1 2007	00000	0.40	NOVO OIVINE	00.00	CONTINUE	OMMOVIN	7101	1 05 00	140	oui oo	
CUTTERS & CARTRIDGES											
BOLT, EXPL, MK5/0 M254											
FY 2005	72	4532.15	UNKNOWN	Oct-04	CONTRACT	UNKNOWN	Apr-05	Oct-06	YES		
D. REMARKS											

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCURE	MENT HISTO	(P-5A)		Weapon System			A. DATE			
				` ,					February 20	05
B. APPROPRIATION/BUDGE	T ACTIVITY				C. P-1 ITEM NON	MENCLATURE			SUBHEAD	
PROCUREMENT OF	AMMUNITIO	N. NAVY	& MARINE CORPS/I	BA 1	PYROTECHI	NICS AND DEMOLITIC	N MATER	IAL	A1	AJ
		,			BLIN: 03400					-
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
AJ100 CONTINUED										
CUTTERS & CARTRIDGES										
CTG, IMPULSE, MK 148 M										
FY 2006	100	971.41	INDIAN HEAD	Oct-05	CONTRACT	UNKNOWN	Apr-06	Jun-07	NO	Jul-05
CTG, 50 CAL BLANK, ELE FY 2006	C, MK209 SS01 22000	67.74	NSWC CRANE	Nov-05	CONTRACT	UNKNOWN	Apr-06	Apr-07	NO	Sep-05
000		· · · ·					7.5. 55	7		Cop oc
SHOCK TEST CHARGES CHARGE, SHOCK TEST, (60 LB XW65									
FY 2004	314	1432.71	JMC ROCK ISLAND	Oct-03	MIPR	CRANE AAA	Feb-04	Feb-05	YES	
FY 2005	205		NSWC CRANE	Oct-04	CONTRACT	NSWC INDIAN HEAD	Nov-04	Nov-05	YES	
FY 2005	320	1485.15	JMC ROCK ISLAND	Oct-04	MIPR	UNKNOWN	Mar-05	Nov-05	YES	
FY 2006	550		JMC ROCK ISLAND	Oct-05	MIPR	UNKNOWN	Jan-06	Jan-07	NO	Jul-05
FY 2007	550	1628.95	JMC ROCK ISLAND	Oct-06	MIPR	UNKNOWN	Jan-07	Jan-08	NO	Jul-06
D DEMARKS										

D. REMARKS

NOTE: All items shown are priced with available GFM.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

ITEM NO. 16 PAGE NO. 12

			BUDGET ITEM JUS	TIFICATION	SHEET				DATE:			
				P-40					•	F	ebruary 200	5
APPROPRIATION/BUD	GET ACTIVI	ITY					P-1 ITEM NO	MENCLATURE	Ē			
PROCUREMENT O	F AMMUN	IITION, I	NAVY & MARINE COR	PS/BA 1				JUI	DGEMENT F	UND - BLI	365	
Program Element for Co	ode B Items:						Other Related	Program Elen	nents			
	Prior	ID									То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY												
COST												
(In Millions)			\$20.1									

ITEM DESCRIPTION/JUSTIFICATION:

PJ001: Funding required for payment of Judgement fund

.

DD Form 2454, JUN 86

P-1 SHOPPING LIST CLASSIFICATION:
ITEM NO. 17 PAGE NO. 1

	WEAPONS SYSTEM C	OST A	NALYSIS			Weapon Syste	em							DATE:	
	P-5 RIATION/BUDGET ACTIVITY EMENT OF AMMUNITION, NAVY & MARI	INE CO	RPS/BA 1				P-1 ITEM NON JUDGEMEN BLI 0365							Februa	ary 2005
			TOTAL COS	T IN THOUSAI	NDS OF DOLL	ARS									
COST CODE	ELEMENT OF COST	ID Code	Prior Years Total Cost	Quantity	FY 2004 Unit Cost	Total Cost	Quantity	FY 2005 Unit Cost	Total Cost	Quantity	FY 2006 Unit Cost	Total Cost	Quantity	FY 2007 Unit Cost	Total Cost
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
PJ001	Judgement Fund					20,193									
SUBTOTA	L (PAGE 1 OF P5)					20,193			0			0			0
CODICIA	- 1. 7.0- 1.01 1.0)		ı			20,133	1		U		l	U	l		U

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

BUDGET ITEM JUSTIFIC	CATION	SHEET		DATE:							
P-4	0					FEBRUARY	2005				
PPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NO	MENCLATURE					BLI 040000	
OCUREMENT OF AMMUNITION, NAVY & MARIN	E CORPS/ BA	A-1				Ammuni	tion less th	an \$5 millio	n (J1A5)		
ogram Element for Code B Items:	Other	r Related F	Program Elem	nents							
LI: 040000											
Prior II			=>/	5) / 2222	=> /	5 ./	=> /	5) / 55 / 5	=>//	То	
Years Co	de FY	/ 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
JANTITY										continuing	continuing
DST											
Millions) \$12.6	,	\$2.1	\$3.1	\$3.2	\$1.2	\$3.2	\$3.2	\$3.3	\$3.4	continuing	continuing

Beginning in FY 2000, Marine Location Markers budgeted in the Ammunition less than \$5 million line item.

Ammunition Less than \$5 Million

These items include both air-launched and hand-launched pyrotechnic devices. The aircraft launched units visually assist in the location of sonobouys during anti-submarine operations. The hand launched units are used in a variety of situations to include SAR operations, Man Overboard drills and Target Marking. The MK 58 was designed for day or night use in any condition calling for long burning, smoke and flame reference-point marking on the ocean. It produces yellow flame and white smoke for 40-60 minutes which is visible for at least three miles under normal operating conditions. The MK 25 is designed to launch from aircraft (primary) or surface craft to provide day/night reference-points in marking the course of enemy contacts. It is suitable for any type of sea surface reference point marking that requires both smoke and flame propagation for approximately fifteen minutes.

The current budget profile provides funding for support efforts (PES, ILS), procurement of non-standard items, and renovation components for future procurements.

P-1 SHOPPING LIST

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UNCLASSIFIED

CLASSIFICATION:

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a									DATE: FEBRUARY 2005						
APPROPRIATION/BUD	GET ACT	IVITY						P-1 ITEM NOMENCLATURE BLI 040000							
PROCUREMENT OF AMMUN	PROCUREMENT OF AMMUNITION, NAVY & MARINE CORPS/ BA-1								n less than	\$5 million (J1A5)				
	ID	Prior									То				
Procurement Items	Code	Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total			
Marine Location Mark	ers														
MK 58 MLM	Α										Continuing	Continuing			
Quantity		16011	3979	6397	6529	1686	6503	6661	6657	6654	Ĭ	Ü			
Funding		\$4,740	\$1,530	\$2,509	\$2,612	\$688	\$2,707	\$2,718	\$2,771	\$2,825					
Other Costs		\$7,835	\$579	\$614	\$545	\$534	\$512	\$520	\$540	\$559					
Total P-1 Funding		\$12,575	\$2,109	\$3,123	\$3,157	\$1,222	\$3,219	\$3,238	\$3,311	\$3,384	Continuing	Continuing			
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DD Form 2454, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

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